FIU | FLORIDA INTERNATIONAL UNIVERSITY

Facilities Construction Services

# REVIEW APPROVAL FORM

Received

JUN 20 2017

Building Department
FIU

**PROJECT:** UNIVERSITY-CITY PROSPERITY PROJECT (UCPP)

**PROJECT NUMBER:** BT-904

**TYPE OF REVIEW:** RELEASE FOR CONSTRUCTION

DATE: 6-14-17

## DOCUMENTS REVIEWED

| ITEM | DRAWING DATE | DRAWING NUMBER | DESCRIPTION | COMMENTS |
|---|---|---|---|---|
| 1 | 4/7/2017 | 1 | COVER SHEET | |
| 2 | 4/7/2017 | B-1 | INDEX OF DRAWINGS | |
| 3 | 4/7/2017 | B-37 | MAIN SPAN TRUSS SYSTEM LAYOUT | |
| 4 | 4/7/2017 | B-38 | MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS | |
| 5 | 4/7/2017 | B-39 | MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2) | |
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| 11 | 4/7/2017 | B-45 | DECK END DIAPHRAGM REINFORCEMENT - TYPE I | |
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| | | | | |
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Designation as "Release for Construction" creates no duty or makes no representation, guarantee or warranty, express or implied, in fact or in law, whether merchantability, fitness for any particular purpose or otherwise, concerning any of the work that is furnished by the Design-Build Firm. The Design-Build Firm remains solely responsible for design, details and accuracy, for confirming and correlating all quantities, job conditions and dimensions, for selecting fabrication processes, for techniques and assembly and performing the work in a safe manner.

This submittal represents a portion of the entire scope of work and is subject to changes due to additional reviews and comments during permitting. The Design-Build Firm remains solely responsible for any such changes and any other changes due to future modification of drawings and specifications that are not part of this submittal.

This approval does not relieve the Design-Build Firm of responsibilities and obligations under the Request for Proposals/Design Criteria Package. It is the Design-Build Firm's obligation to confirm that all construction drawings and specifications comply with the requirements of the governing building code and all other applicable federal, state and local codes, standards, regulations and laws as required by all applicable contract documents related to the Project. Review of the documents referenced herein was made with the assumption that all such construction drawings and specifications comply with the foregoing codes, standards, regulations and laws.

**Reviewed By:** _____
Construction Engineering Inspection
(CEI) Consultant

**Date:** 6/14/17

**Reviewed By:** _____ **Date:** 6-15-17

FIU Facilities Mgmt
Project Manager

**Reviewed By:** _____ **Date:** 6/16/17

City of Sweetwater

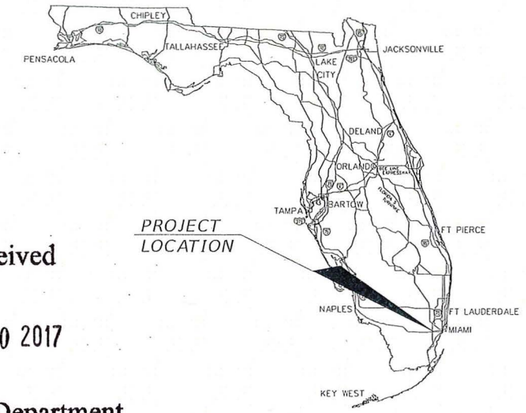
**Received By MCM:** _____ **Date:** 19 JUN 17

904BPBFSS

# FLORIDA INTERNATIONAL UNIVERSITY AND CITY OF SWEETWATER UNIVERSITYCITY

## R.F.C. SUPERSTRUCTURE PLANS

FINANCIAL PROJECT ID - 434688-1-58-01
CONTRACT BT-904
MIAMI-DADE COUNTY
UNIVERSITYCITY PROSPERITY PROJECT




Received
JUN 20 2017
Building Department
FIU

## INDEX OF PROJECT PLANS

| SHEET NO. | SHEET DESCRIPTION |
|---|---|
| LB-01 THRU LB-03 | LANDSCAPE |
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| IB-01 THRU IB-05 | IRRIGATION |
| B-1 THRU B-110 | STRUCTURAL PLANS |
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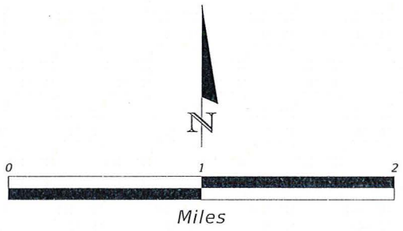
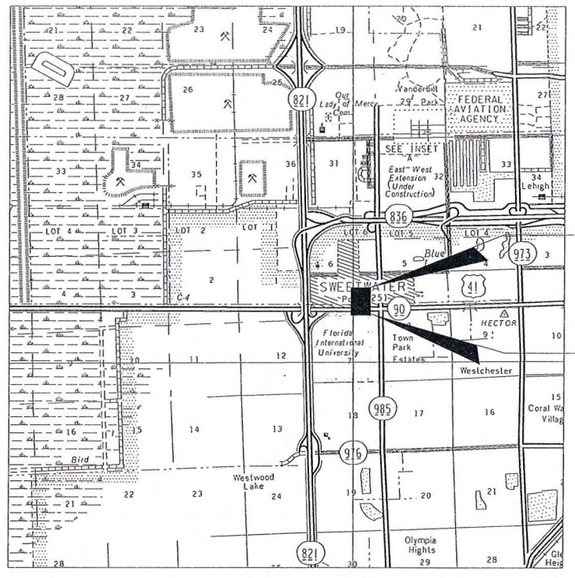
| TW-1 THRU TW-2 | TEMPORARY CRITICAL WALL |
| M-00 THRU M-05 | MECHANICAL |
| E-00 THRU E-10 | ELECTRICAL |
| P-00 THRU P-02 | PLUMBING |




END PROJECT
STA. 37+88.69

BEGIN PROJECT
STA. 30+17.87

LOCATION MAP
SECTION 5 & 6, TOWNSHIP 55 SOUTH, RANGE 39 EAST
MIAMI-DADE COUNTY, FLORIDA

PREPARED FOR:
FLORIDA INTERNATIONAL UNIVERSITY
CITY OF SWEETWATER, FLORIDA

PLANS PREPARED BY:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
Tel. (850) 224-7400
Florida Certificate of Authorization 5618

STRUCTURAL PLANS ENGINEER OF RECORD: W. DENNEY PATE, P.E.
LICENSE NUMBER 34332

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2015, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2015, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-15

For Design Standards Modification Click on "Design Standards" at the following web site: https://www.dot.state.fl.us/rddesign/

| KEY SHEET REVISIONS | | |
|---|---|---|
| DATE | BY | DESCRIPTION |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

| FISCAL YEAR | SHEET NO. |
|---|---|
| 16 | 1 |

## REVIEWED FOR CODE COMPLIANCE

| FLORIDA INTERNATIONAL UNIVERSITY<br>BUILDING CODE ADMINISTRATION<br>DEPT. OF FACILITIES PLANNING & CONSTRUCTION | | | |
|---|---|---|---|
| **PLANS EXAM. DIV.** | **APPROVED** | **APPROVED AS NOTED** | **DATE** |
| CIVIL | | | |
| BUILDING/ADA | | | |
| STRUCTURAL | ✓ | | |
| ELECTRICAL | | | |
| PLUMBING | | | |
| MECHANICAL/ENERGY | | | |
| FIRE MARSHALL | | | |
| | | | |
| | | | |

ANY DEVIATION FROM THE BUILDING CODE ON THESE PLANS BY OVERSIGHT, ERROR OR OMISSION RENDER THE PERMIT VOID. NO INSPECTIONS WILL BE MADE WITHOUT THIS PLAN ON SITE, AND IF NO INSPECTION HAS BEEN MADE WITHIN 180 DAYS OR ABOVE DATE THEN PERMIT IS VOID.

BUILDING CODE ADMINISTRATOR

6/20/2017
DATE

# INDEX OF DRAWINGS



W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

NOTES:

* SHEETS INCLUDED IN THIS SUBMITTAL

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| | |
|---|---|
| DRAWN BY: | DCB |
| CHECKED BY: | MF |
| DESIGNED BY: | MF |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

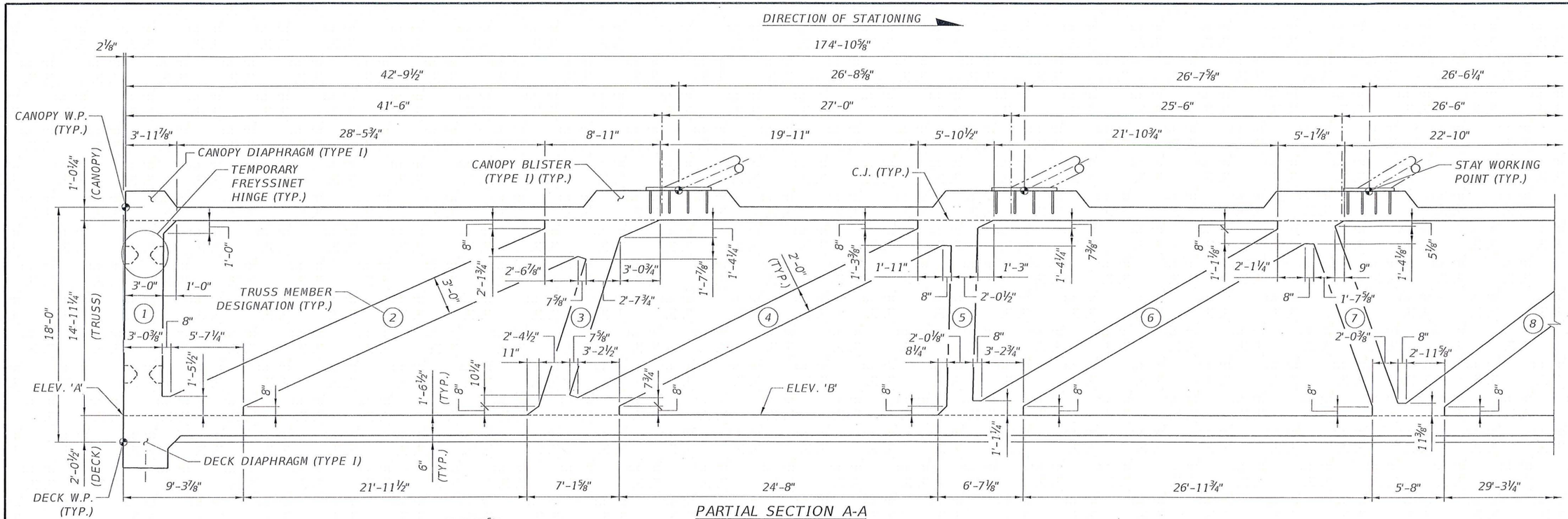
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: INDEX OF DRAWINGS

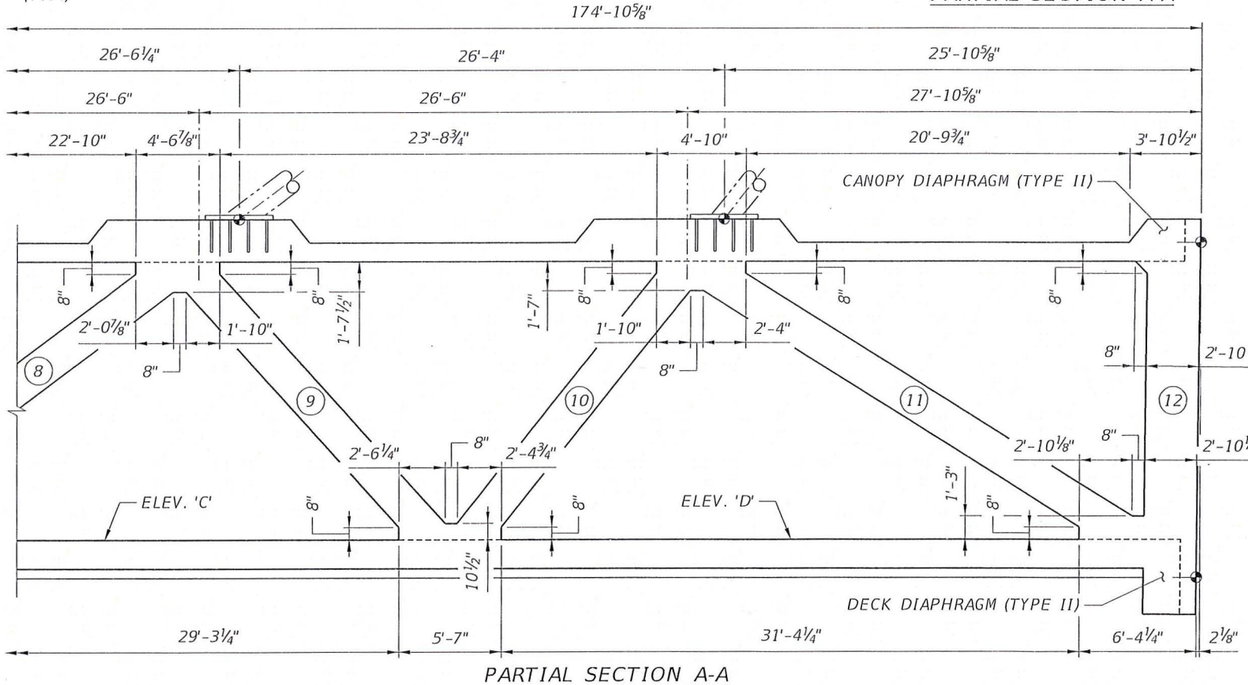
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-1

Plotted By: lcavanaugh 4/7/2017 1:14:11 PM G:\43468815801\struct\B1Index01_SP.dgn




PARTIAL SECTION A-A

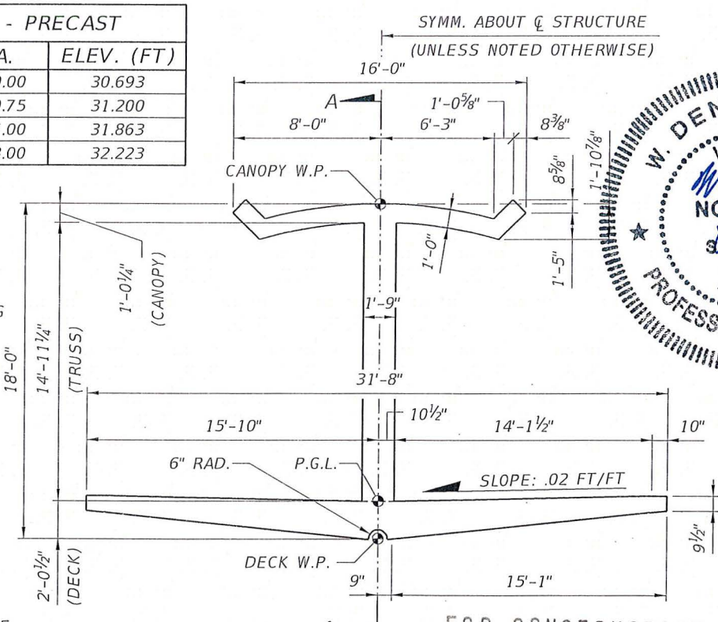



PARTIAL SECTION A-A

| MAIN SPAN - PRECAST | | |
|---|---|---|
| LOCATION | STA. | ELEV. (FT) |
| A | 10+00.00 | 30.693 |
| B | 10+50.75 | 31.200 |
| C | 11+17.00 | 31.863 |
| D | 11+53.00 | 32.223 |

NOTES:

1. APPROXIMATE LIFTING WEIGHT OF TRUSS SYSTEM = 950 TONS.
2. FOR TEMPORARY FREYSSINET HINGE DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2) DRAWING.
3. CONCRETE FINISH SHALL BE CLASS 3 SURFACE FINISH IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 400-15.2.4.
4. DECK ELEVATIONS ARE LOCATED ALONG P.G.L.




CROSS-SECTION

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: MF
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

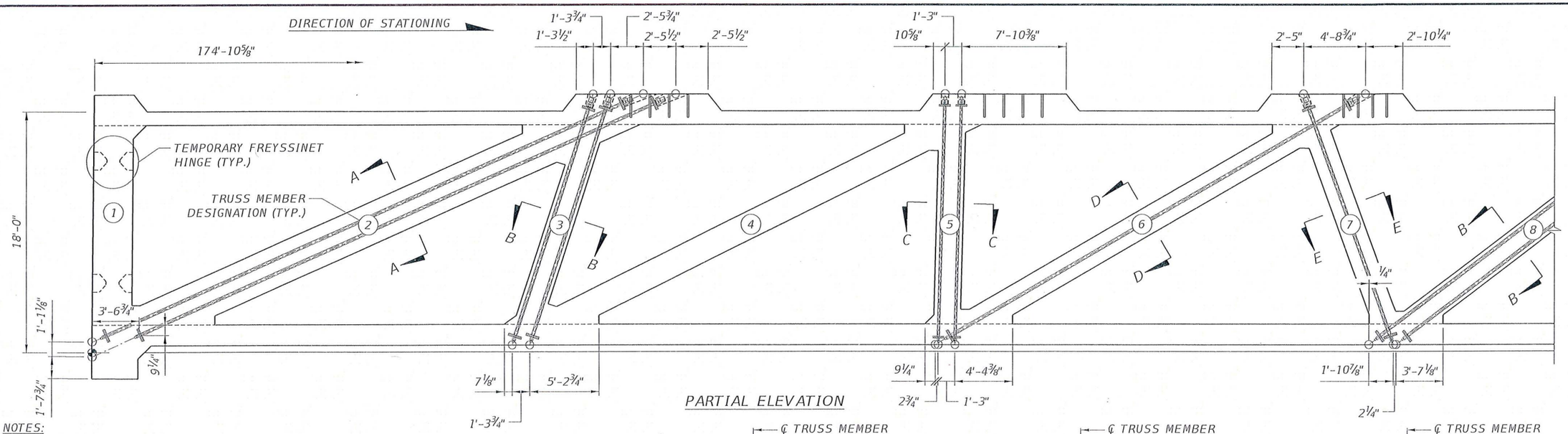
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: MAIN SPAN TRUSS SYSTEM LAYOUT

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-37

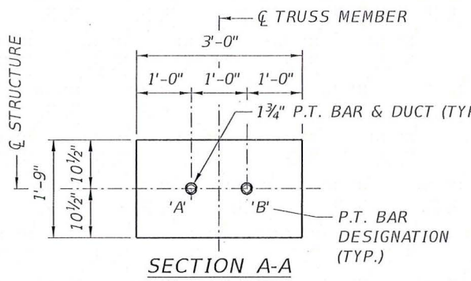
Plotted By: lcavanaugh 4/7/2017 1:14:13 PM G:\4346881580l\struct\B1_36_MS_Truss_Layout.dgn



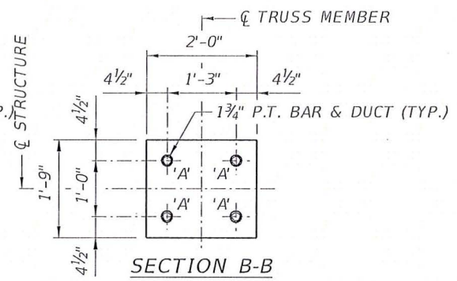

PARTIAL ELEVATION

NOTES:

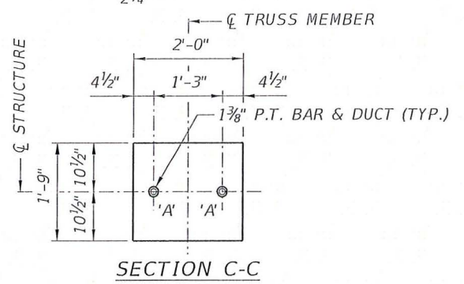
1. FOR P.T. BAR ANCHOR DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
2. MINIMUN CONCRETE STRENGTH REQUIRED PRIOR TO STRESSING P.T. BARS = 6000 PSI.
3. ALL 1⅜" DIA. P.T. BARS WILL HAVE AN 5"x10" ANCHOR PLATE.
4. ALL 1¾" DIA. P.T. BARS WILL HAVE AN 8"x12" ANCHOR PLATE.
5. ALL 2½" DIA. P.T. BARS WILL HAVE AN 12"x14" ANCHOR PLATE.
6. VERIFY P.T. BAR FORCE WITH LIFT OFF TEST.
7. FOR P.T. BAR QUANTITIES AND STRESSING FORCES, SEE POST-TENSIONING SCHEDULE DRAWING.
8. P.T. BARS IN MEMBERS 2 & 11 WILL NOT BE GROUTED AND WILL BE DESTRESSED AFTER MAIN SPAN CONSTRUCTION IS COMPLETE. DO NOT REMOVE BARS.
9. FOR TEMPORARY FREYSSINET HINGE DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2) DRAWING.



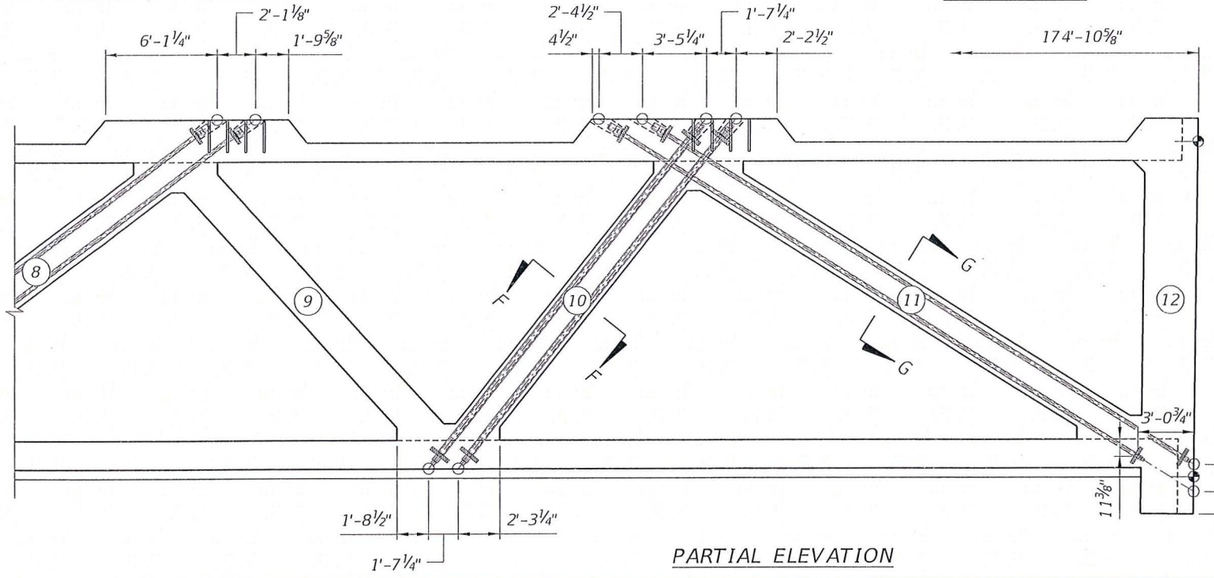

SECTION A-A



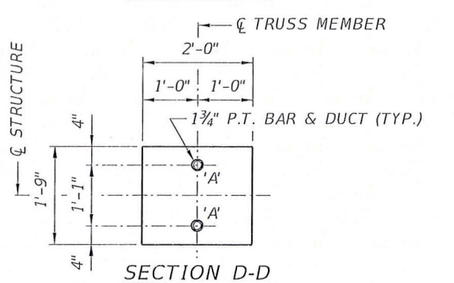

SECTION B-B



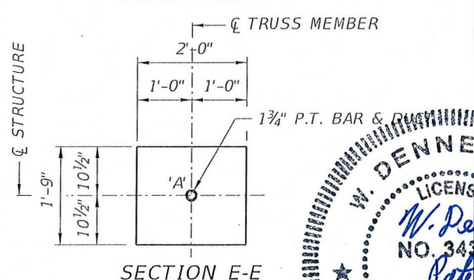

SECTION C-C



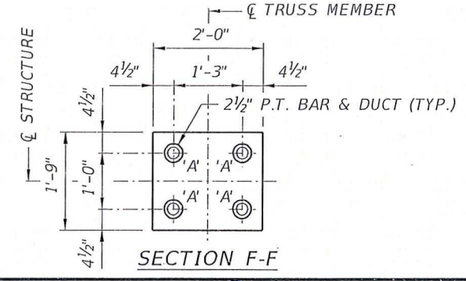

PARTIAL ELEVATION



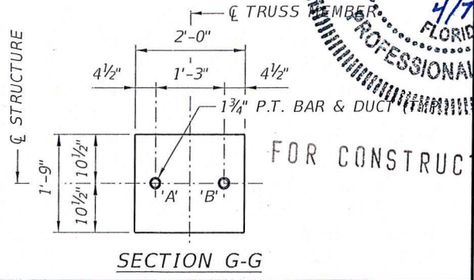

SECTION D-D



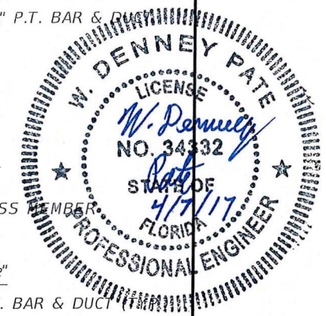

SECTION E-E




SECTION F-F




SECTION G-G




FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

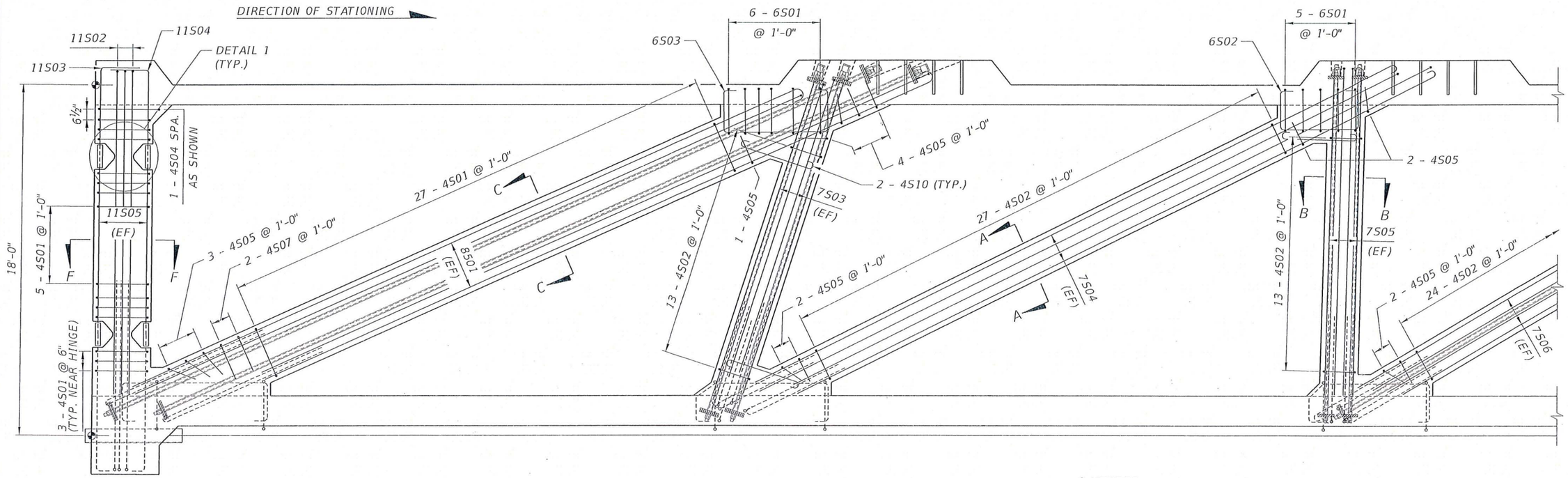
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS

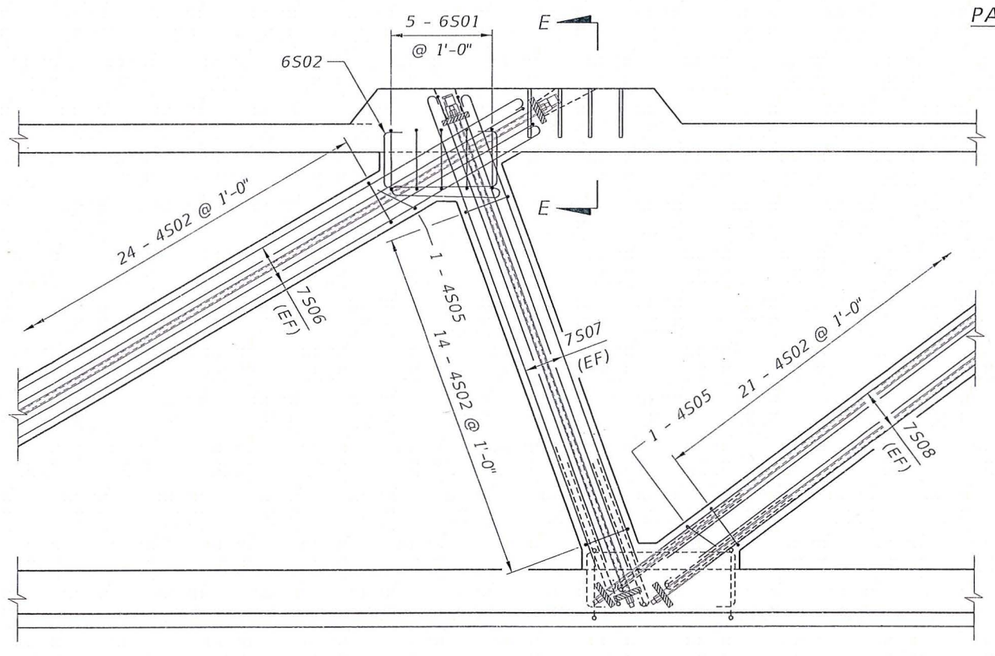
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-38

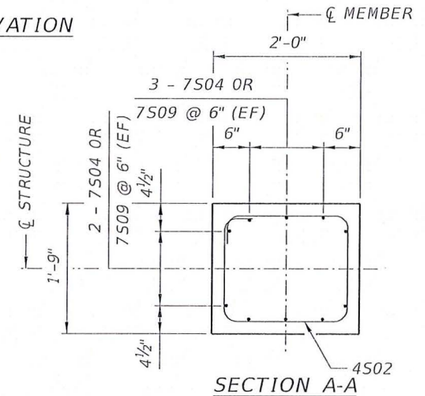
Plotted By: lcavanaugh 4/7/2017 1:14:19 PM G:\43468815801\struct\B1_37_MS_Truss_PT_Details.dgn



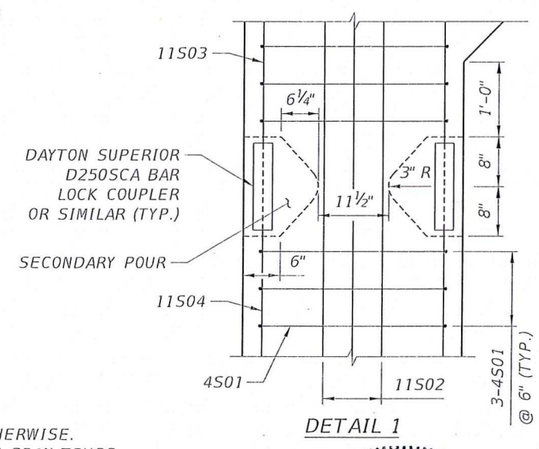

PARTIAL ELEVATION




PARTIAL ELEVATION




SECTION A-A




DETAIL 1

NOTES: (MEMBER WITH NO P.T. BARS)

1. CONCRETE COVER IS 2", UNLESS NOTED OTHERWISE.
2. FOR P.T. BAR SIZE AND DETAILS, SEE MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
3. FOR DECK REINFORCEMENT, SEE DECK REINFORCEMENT AND P.T. MAIN SPAN DRAWINGS.
4. FOR CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT AND P.T. MAIN SPAN DRAWINGS.
5. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST.
6. DAYTON SUPERIOR D250SCA BAR LOCK COUPLER HAS A LENGTH OF 14" WITH AN OUTSIDE DIAMETER OF 3.1".
7. SECONDARY POUR AT HINGE LOCATIONS SHALL USE THE SAME CONCRETE MIX AS IN THE PRECAST SECTION.
8. SECONDARY POUR SHALL TAKE PLACE 180 DAYS AFTER CASTING OF MAIN SPAN.
9. SHOP DRAWINGS ARE REQUIRED FOR FORMING DETAILS.

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | DCB |
| CHECKED BY: | MF |
| DESIGNED BY: | EDL |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

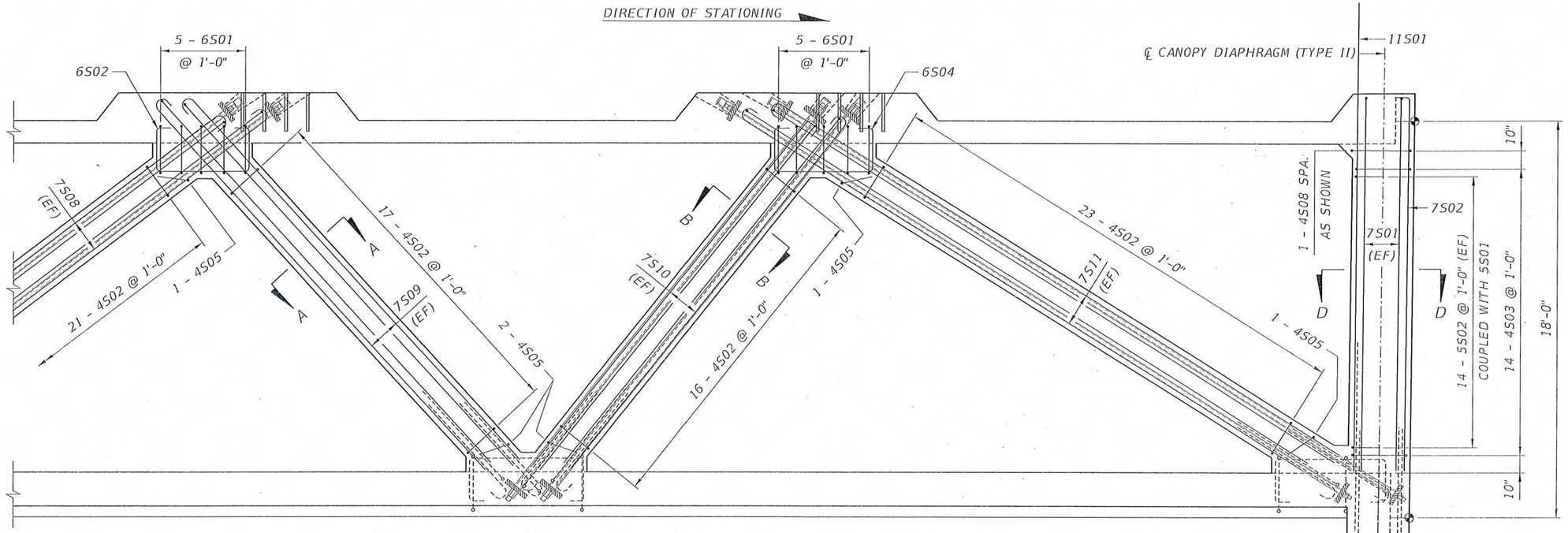
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2)

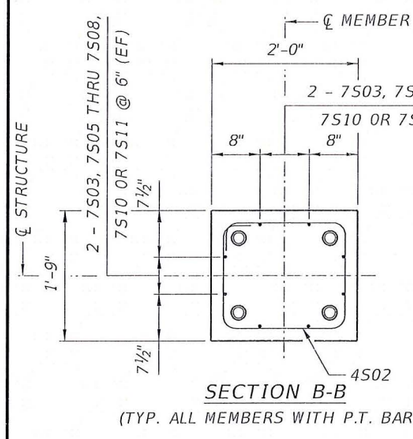
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-39

Plotted By: lcavanaugh 4/7/2017 1:14:21 PM G:\43468815801\struct\B1_3B_MS_Truss_Reinf_01.dgn

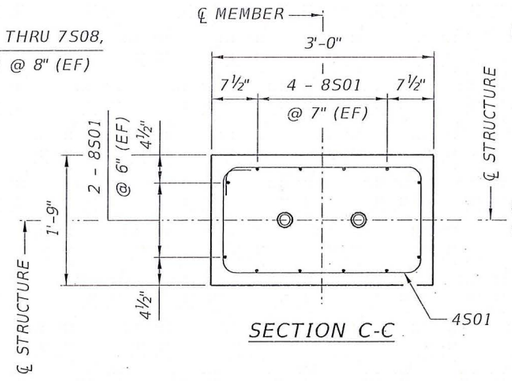



PARTIAL ELEVATION

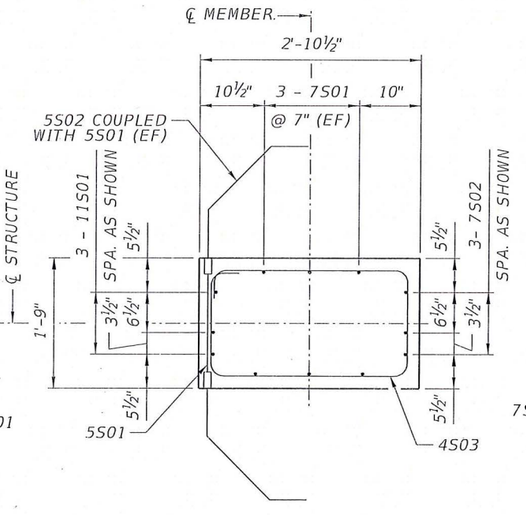



SECTION B-B

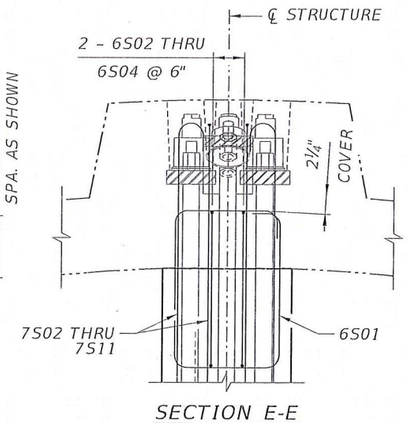
(TYP. ALL MEMBERS WITH P.T. BARS)




SECTION C-C

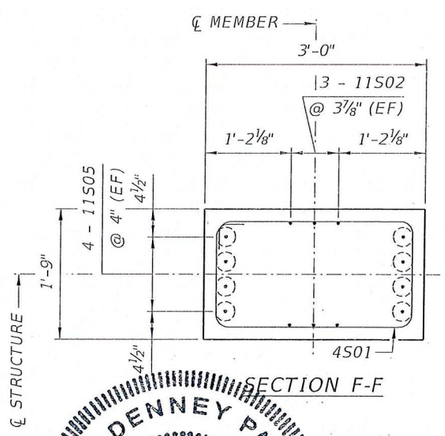



SECTION D-D




SECTION E-E

(TYP. ALL CANOPY BLISTERS)




SECTION F-F

NOTES:

1. CONCRETE COVER IS 2", UNLESS NOTED OTHERWISE.
2. FOR P.T. BAR SIZE AND DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS SHEET.
3. FOR DECK REINFORCEMENT, SEE DECK REINFORCEMENT AND P.T. MAIN SPAN SHEETS.
4. FOR CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT AND P.T. MAIN SPAN SHEETS.
5. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST SHEETS.
6. SHOP DRAWINGS ARE REQUIRED FOR FORMING DETAILS.

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | MF | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

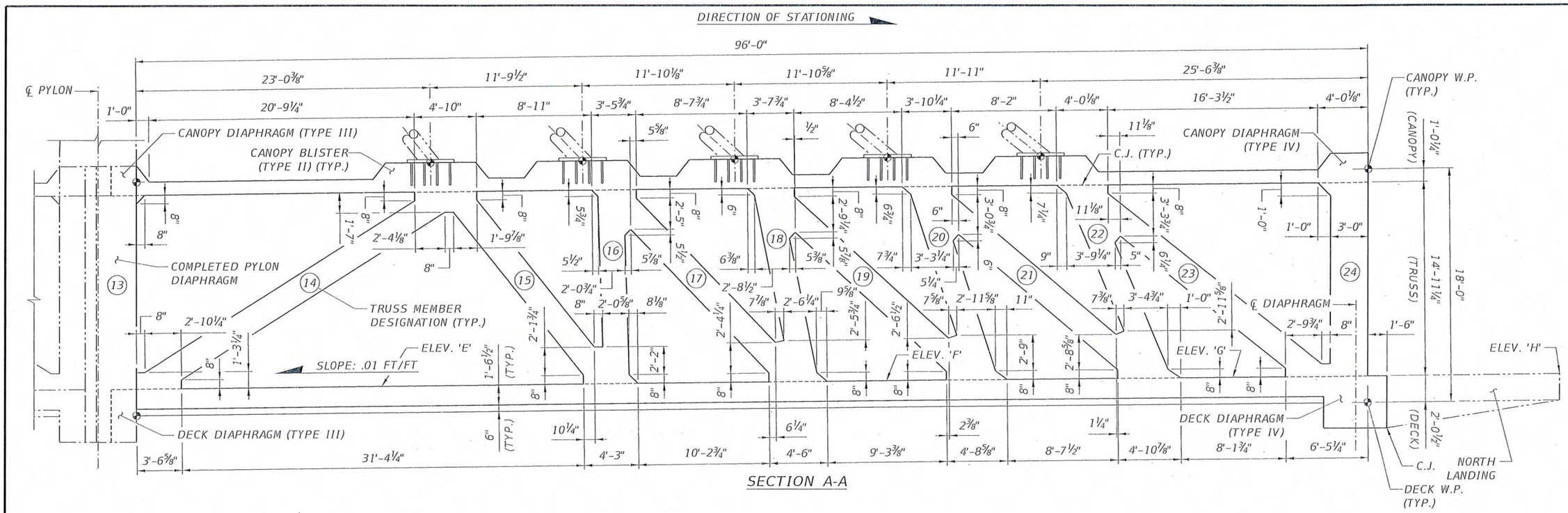
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: MAIN SPAN TRUSS SYSTEM REINFORCEMENT (2 OF 2)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-40


Plotted By: lcavanaugh 4/7/2017 1:14:21 PM G:\43468815801\struct\B1_39_MS_Truss_Reinf_02.dgn




| BACK SPAN | | |
|---|---|---|
| LOCATION | STA. | ELEV. (FT) |
| E | 11+97.25 | 32.665 |
| F | 12+36.50 | 33.058 |
| G | 12+63.50 | 33.328 |
| H | 12+89.00 | 33.583 |

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

NOTES:

1. DIMENSIONS SHOWN ARE ALONG ℄ OF TRUSS.
2. TRUSS DIMENSIONS ARE MEASURED ALONG THE LONGITUDINAL SLOPE.
3. FOR CONCRETE COMPRESSIVE STRENGTH, SEE GENERAL NOTES DRAWING.
4. FOR CONSTRUCTION SEQUENCE AND DETAILS OF THE BACK SPAN, SEE CONSTRUCTION SEQUENCE (1 OF 2) AND (2 OF 2) DRAWINGS.
5. CONCRETE FINISH SHALL BE CLASS 3 SURFACE FINISH IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 400-15.2.4.
6. DECK ELEVATIONS ARE LOCATED ALONG P.G.L.

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332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|---|---|---|---|
| DCB | MF | EDL | ME |

FIU FLORIDA INTERNATIONAL UNIVERSITY

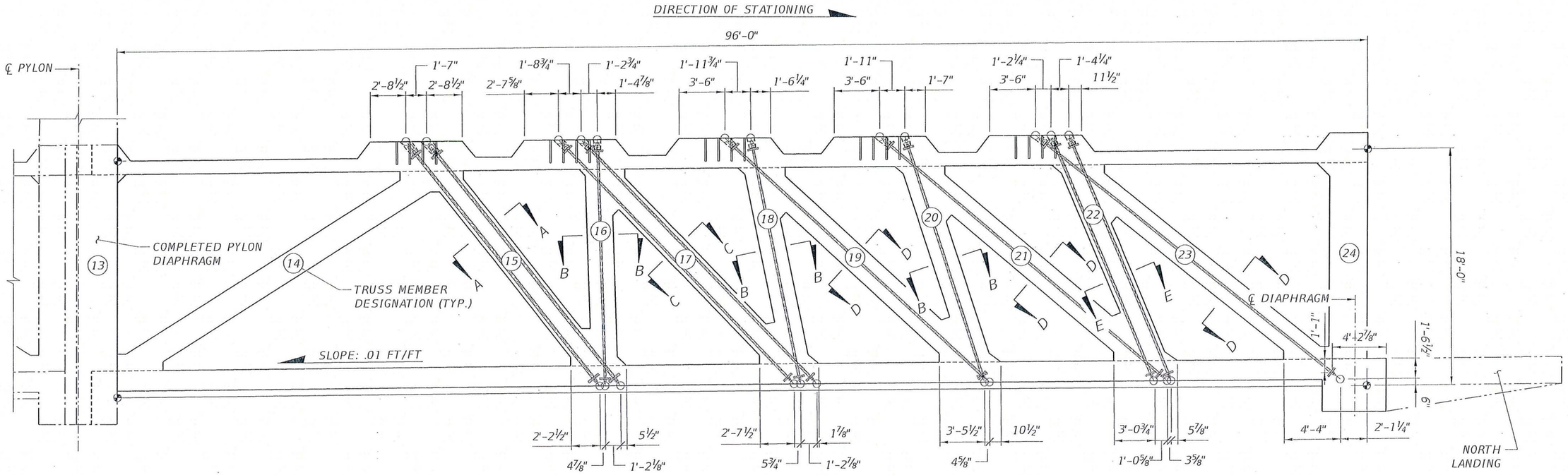
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: BACK SPAN TRUSS SYSTEM LAYOUT

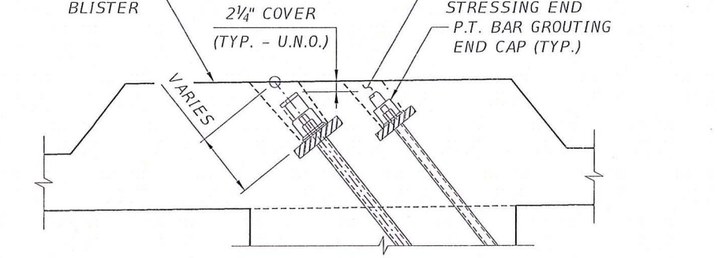
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-41

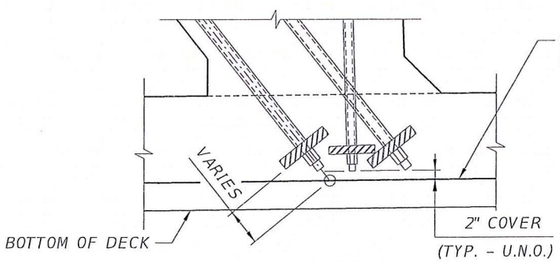

Plotted By: lcavanaugh 4/7/2017 1:14:22 PM G:\43468815801\struct\B1_40_BS_Truss_Layout.dgn




ELEVATION



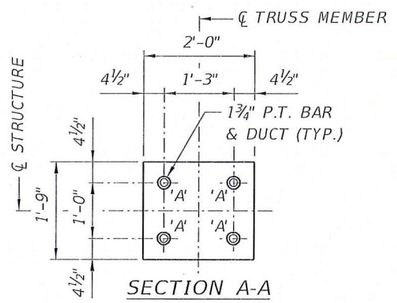

P.T. BAR ANCHOR DETAIL
(TOP ANCHOR)



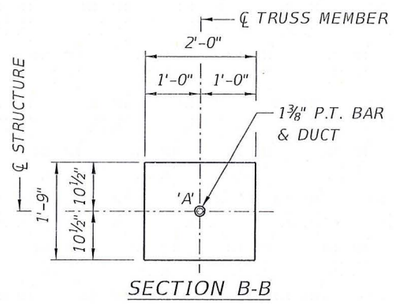

P.T. BAR ANCHOR DETAIL
(BOTTOM ANCHOR)

NOTES:

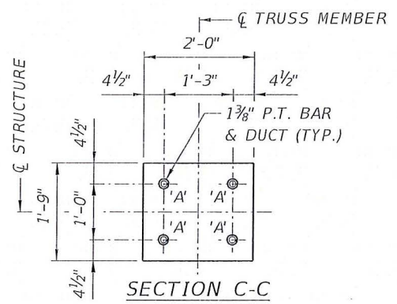
1. MINIMUM CONCRETE STRENGTH REQUIRED PRIOR TO STRESSING P.T. BARS = 6000 PSI.
2. ALL 1⅜" DIA. P.T. BARS WILL HAVE AN 5"x10" ANCHOR PLATE.
3. ALL 1¾" DIA. P.T. BARS WILL HAVE AN 8"x12" ANCHOR PLATE.
4. FOR STRESSING FORCES, SEE POST-TENSIONING SCHEDULE DRAWING.
5. P.T. BAR GROUTING END CAPS ARE NOT NEEDED FOR P.T. BARS WHICH ARE DESTRESSED AFTER CONSTRUCTION SEQUENCE.



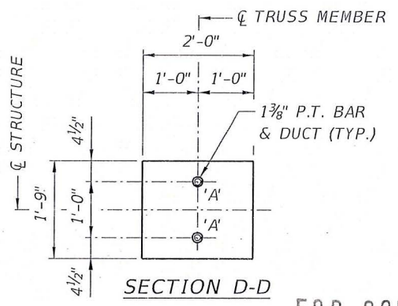

SECTION A-A



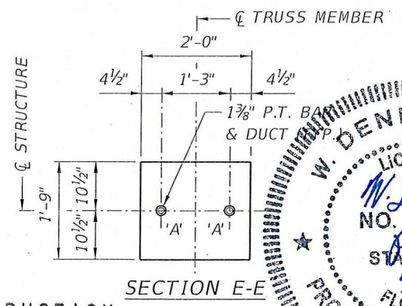

SECTION B-B




SECTION C-C




SECTION D-D




SECTION E-E

FOR CONSTRUCTION

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| | |
|---|---|
| DRAWN BY: | DCB |
| CHECKED BY: | MF |
| DESIGNED BY: | EDL |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

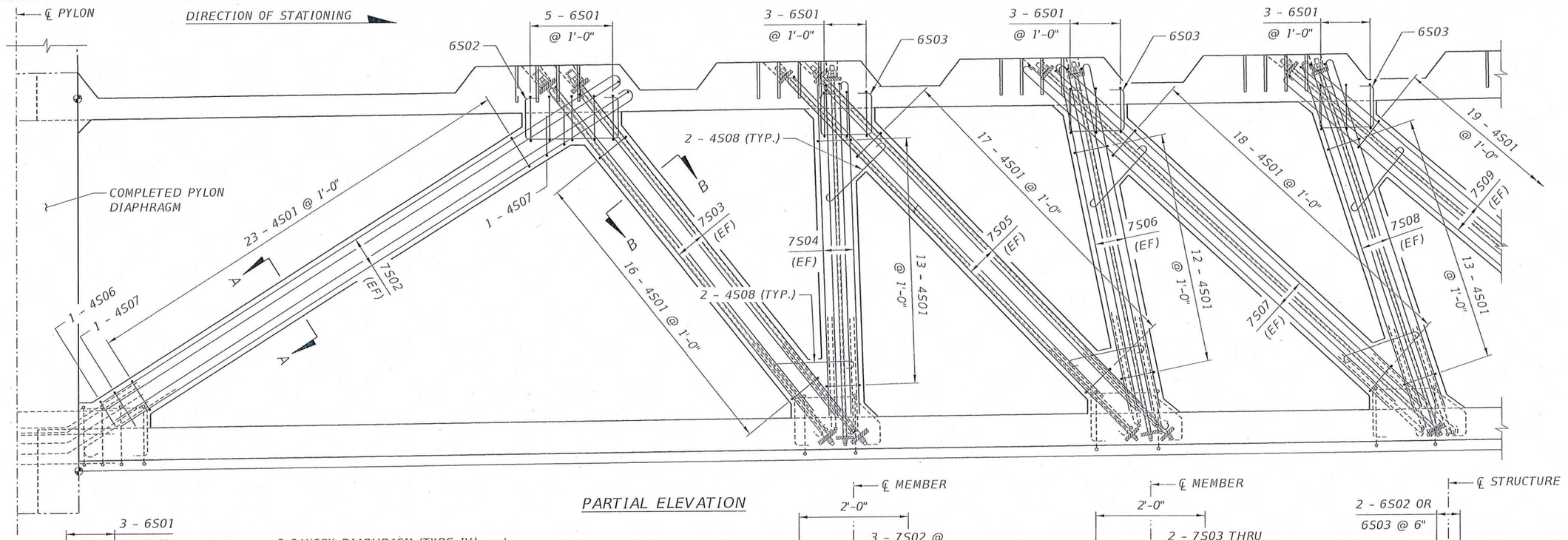
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS

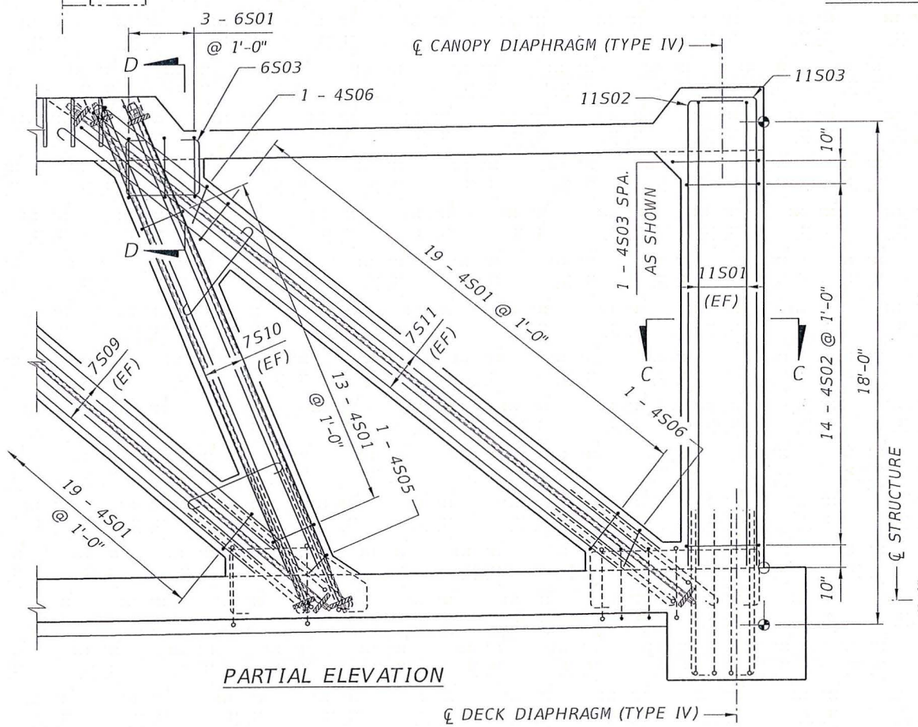
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-42

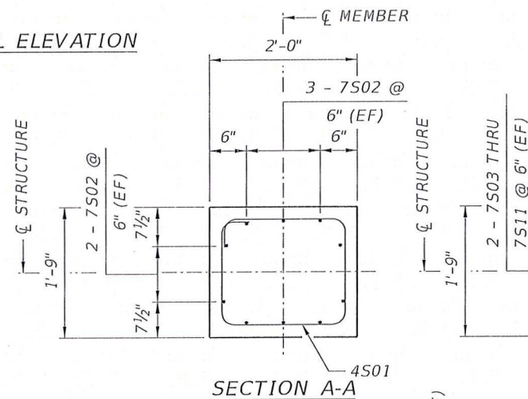

Plotted By: lcavanaugh 4/7/2017 1:14:23 PM G:\43468815801\struct\B1_41_BS_Truss_PT_Layout.dgn




PARTIAL ELEVATION

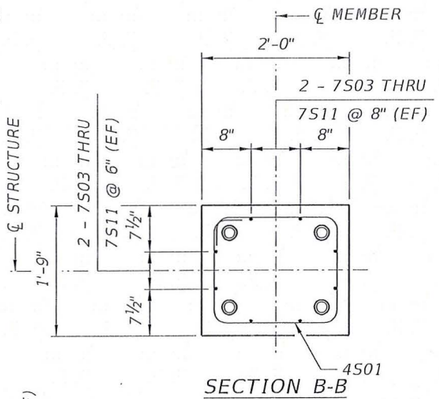



PARTIAL ELEVATION



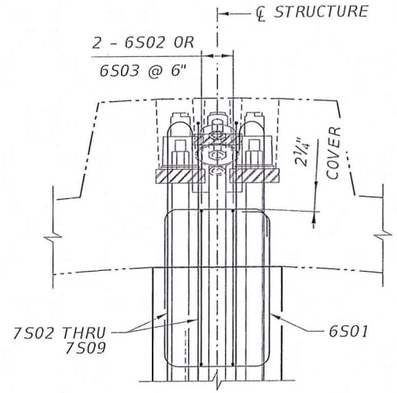

SECTION A-A

(MEMBER WITH NO P.T. BARS)



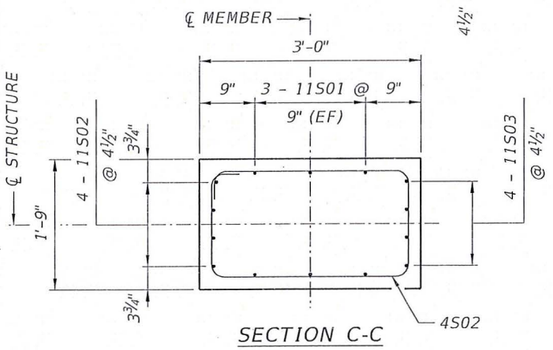

SECTION B-B

(TYP. ALL MEMBERS WITH P.T. BARS)




SECTION D-D

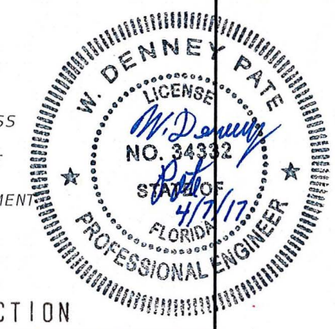
(TYP. ALL CANOPY BLISTERS)




SECTION C-C

NOTES:

1. CONCRETE COVER IS 2", UNLESS NOTED OTHERWISE.
2. FOR P.T. BAR SIZE AND DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS SHEET.
3. FOR DECK REINFORCEMENT, SEE DECK REINFORCEMENT AND P.T. BACK SPAN SHEETS.
4. FOR CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT AND P.T. BACK SPAN SHEETS.
5. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST SHEETS.
6. SHOP DRAWINGS ARE REQUIRED FOR FORMING DETAILS.




FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | EDL | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

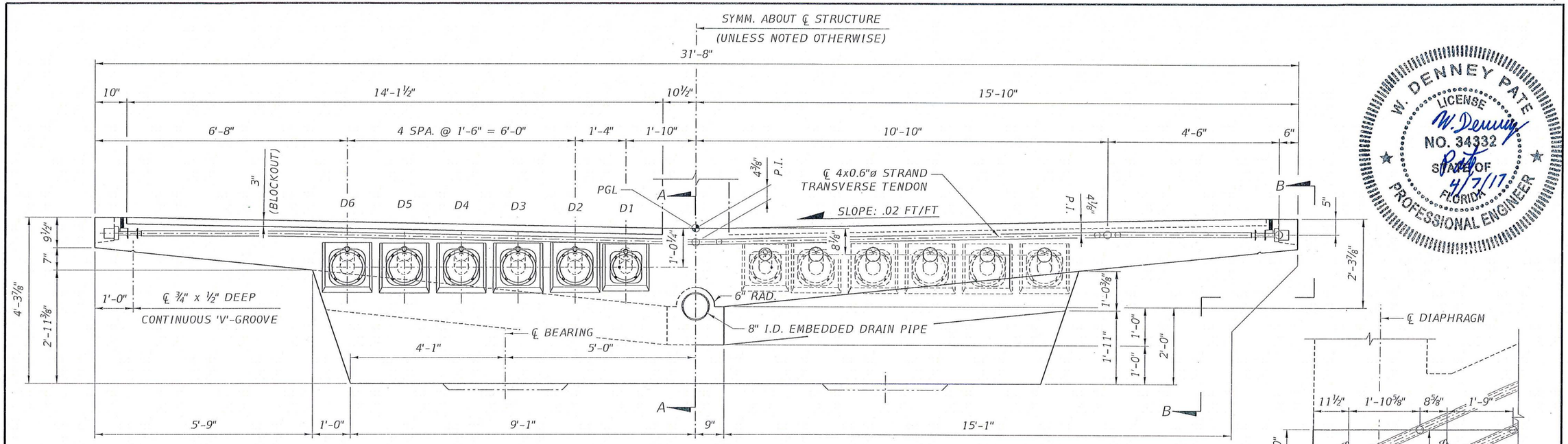
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: BACK SPAN TRUSS SYSTEM REINFORCEMENT

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

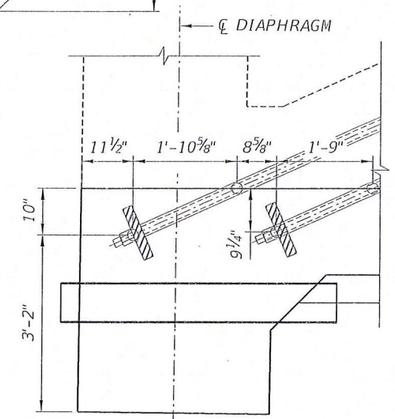
SHEET NO. B-43

Plotted By: lcavanaugh 4/7/2017 1:14:24 PM G:\43468815801\struct\B1_42_BS_Truss_Reinf_01.dgn

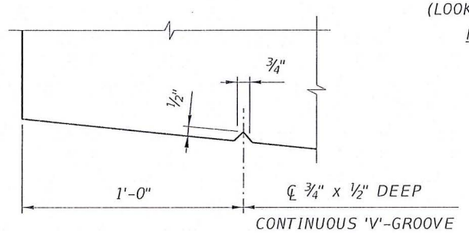



HALF CROSS-SECTION
(LOOKING UPSTATION - ANCHOR FACE)

HALF CROSS-SECTION
(LOOKING DOWNSTATION - TYPICAL FACE)

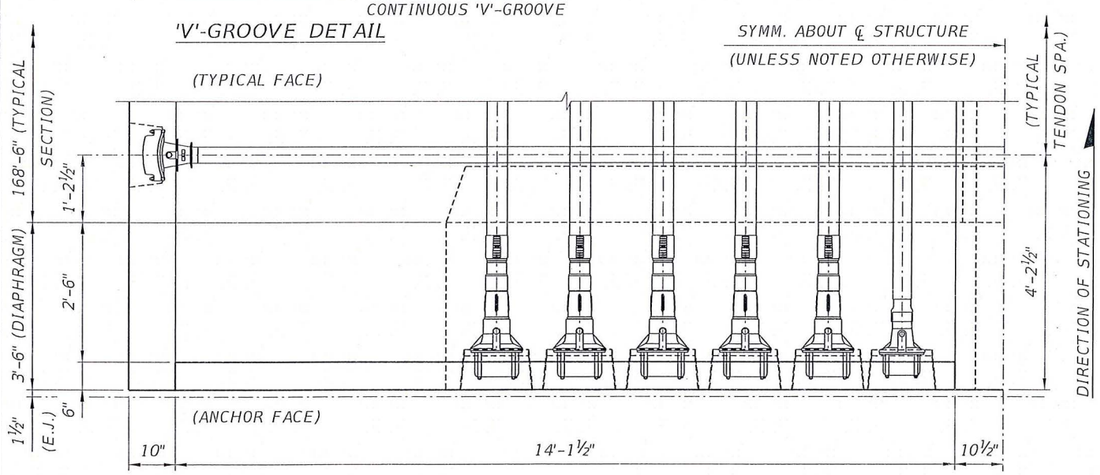



(ANCHOR FACE) SECTION A-A (TYPICAL FACE)
(P.T. BAR DETAILS)

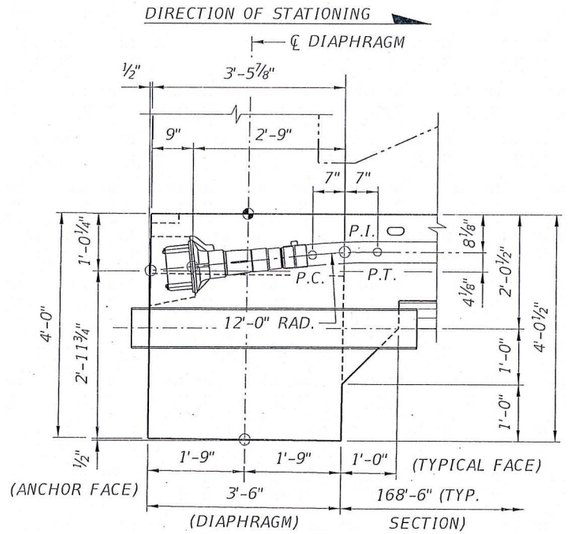



'V'-GROOVE DETAIL

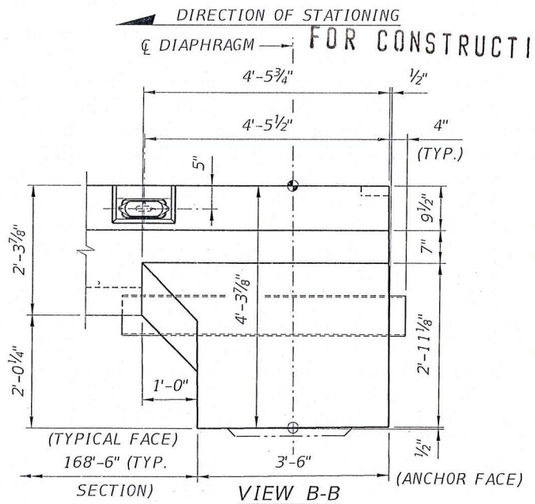
NOTES:
1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
5. FOR BEARING DETAILS, SEE BEARING DETAILS DRAWING.
6. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
7. FOR EXPANSION JOINT DEVICE DETAILS, SEE EXPANSION JOINT DETAILS DRAWING.




HALF PLAN
(TOP SLAB)




SECTION A-A




VIEW B-B



FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

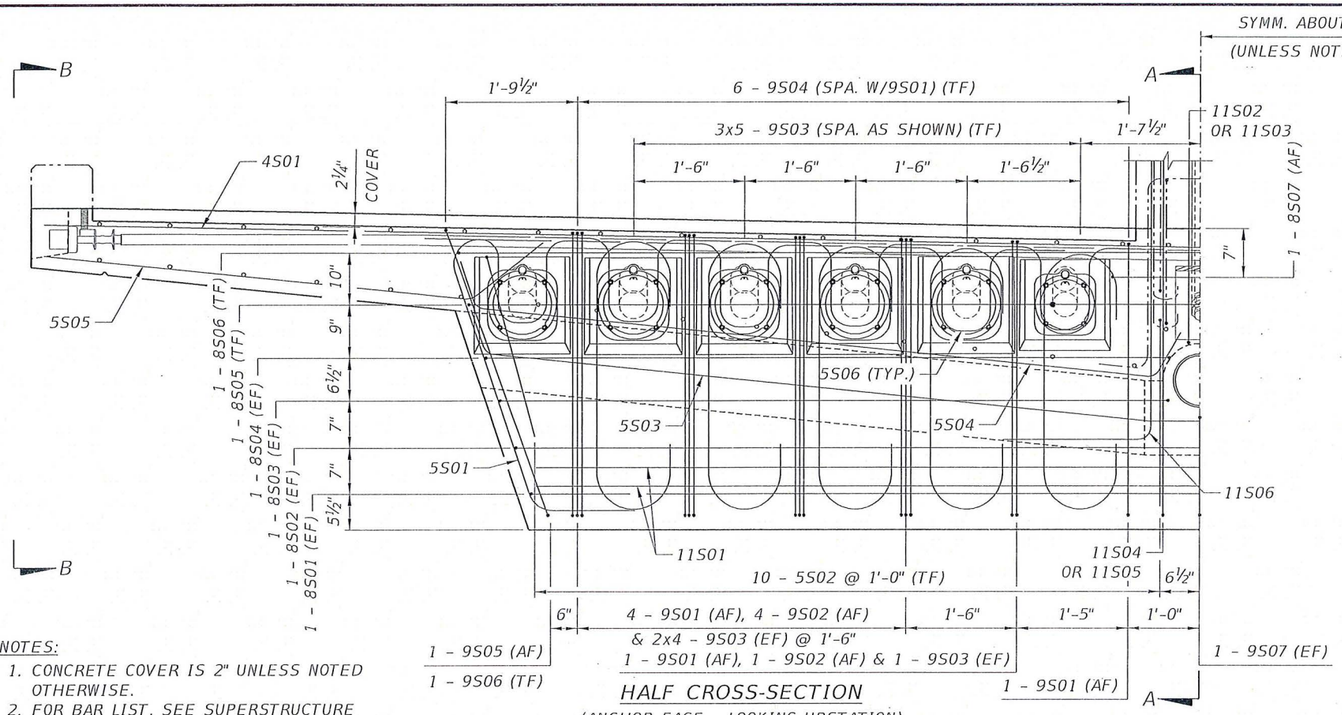
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE I

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

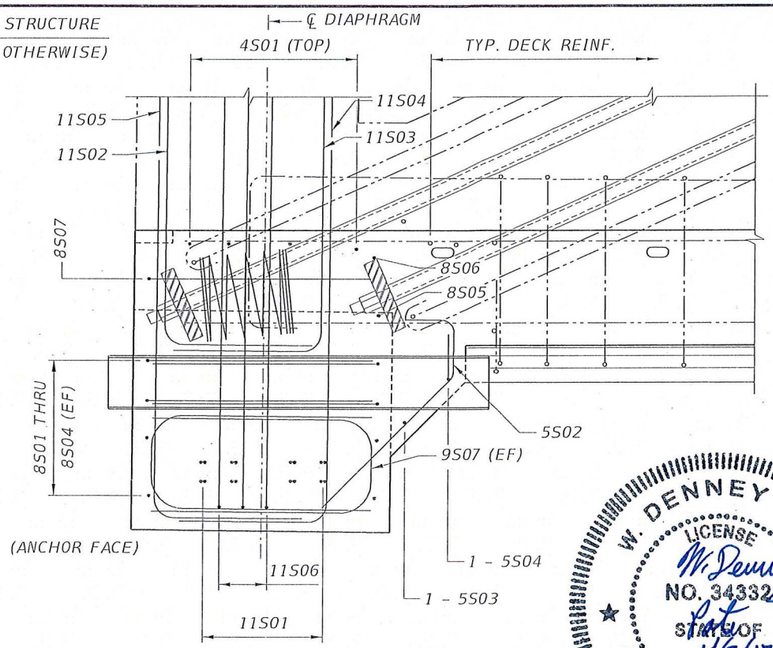
SHEET NO. B-44

Plotted By: lcavanaugh 4/7/2017 1:14:25 PM G:\43468815801\struct\B1_44_Type 1_Deck_End_Diaphragm_Dim&PT.dgn




HALF CROSS-SECTION

(ANCHOR FACE - LOOKING UPSTATION)



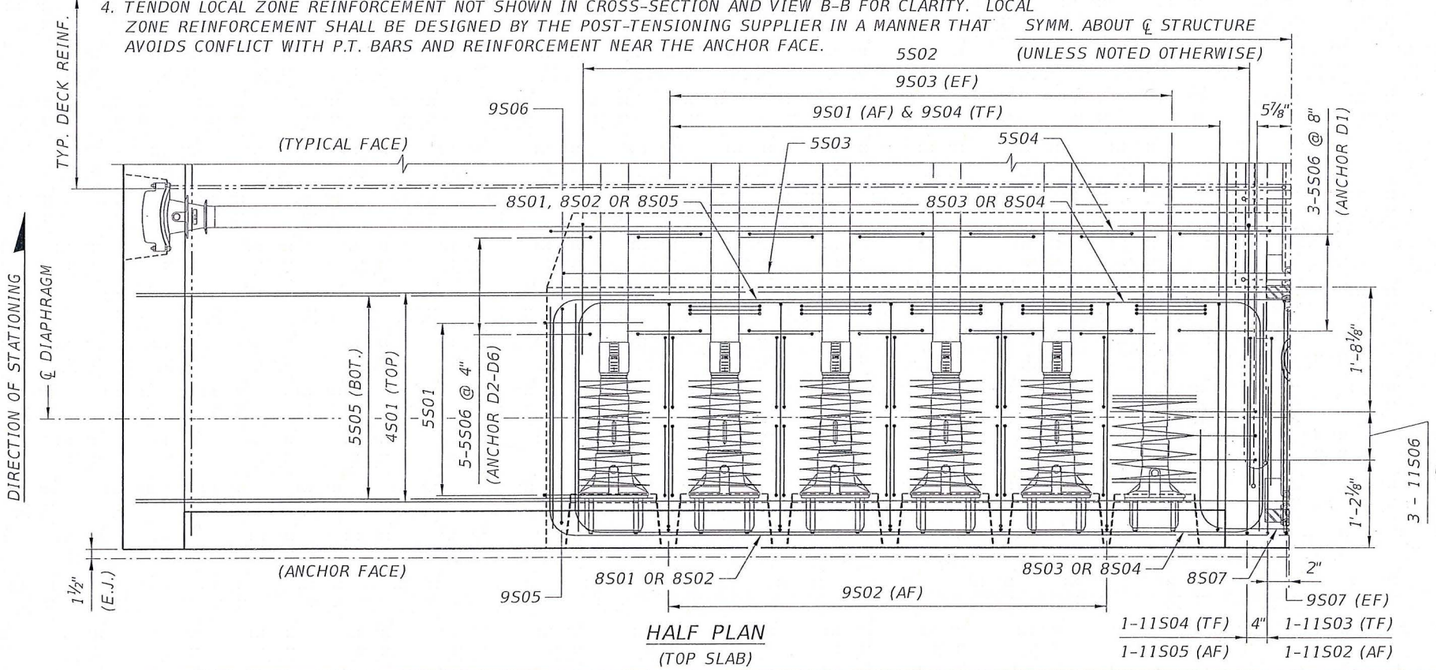

SECTION A-A (TYPICAL FACE)

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL DECK REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH P.T. BARS AND REINFORCEMENT NEAR THE ANCHOR FACE.

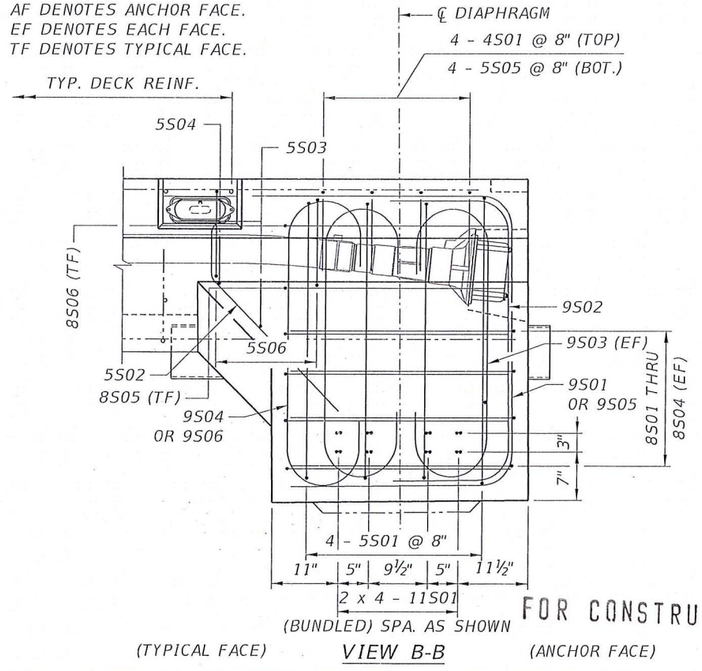
NOTES (CONTINUED):

5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
6. AF DENOTES ANCHOR FACE. EF DENOTES EACH FACE. TF DENOTES TYPICAL FACE.




HALF PLAN

(TOP SLAB)




VIEW B-B

FOR CONSTRUCTION

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

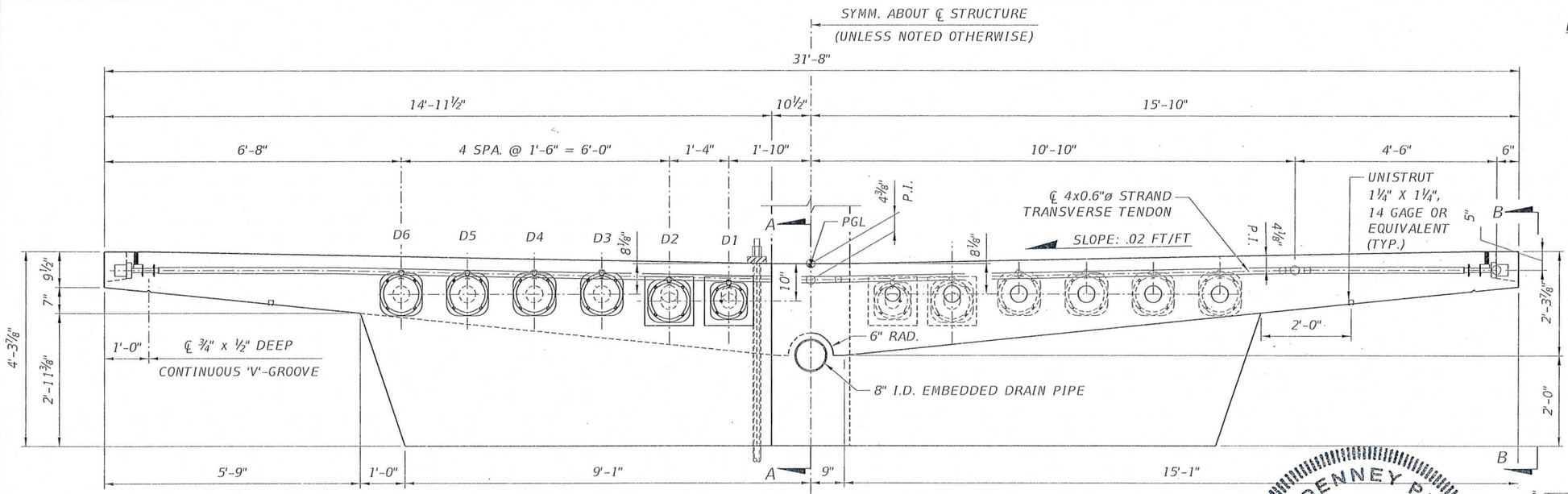
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM REINFORCEMENT - TYPE I

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-45


Plotted By: lcavanaugh 4/7/2017 3:50:06 PM G:\43468815801\struct\B1_45_Type 1_Deck_End_Diaphragm_Reinf.dgn

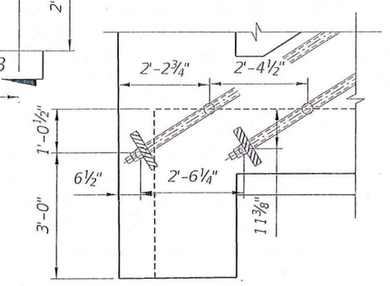



HALF CROSS-SECTION
(LOOKING DOWNSTATION - ANCHOR FACE)

HALF CROSS-SECTION
(LOOKING UPSTATION - TYPICAL FACE)

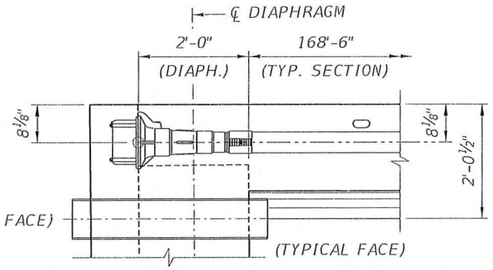
NOTES:

1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. THE UNISTRUT SHALL BE PROJECTED ¼" FROM FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 1'-8".

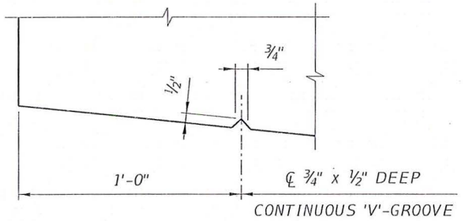



(ANCHOR FACE) (TYPICAL FACE)

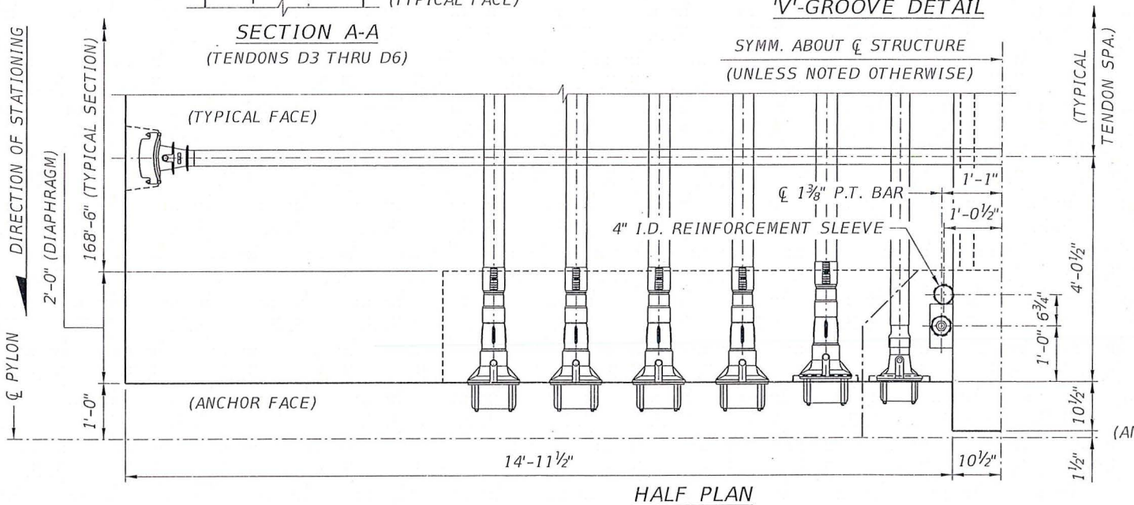
SECTION A-A
(P.T. BAR DETAILS)




SECTION A-A
(TENDONS D3 THRU D6)

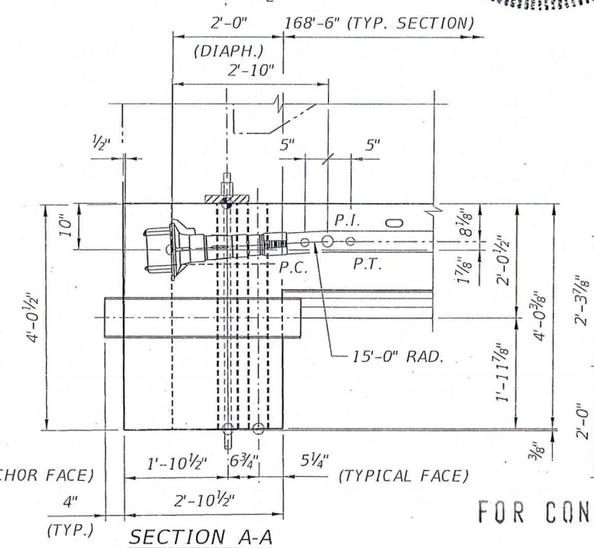



'V'-GROOVE DETAIL

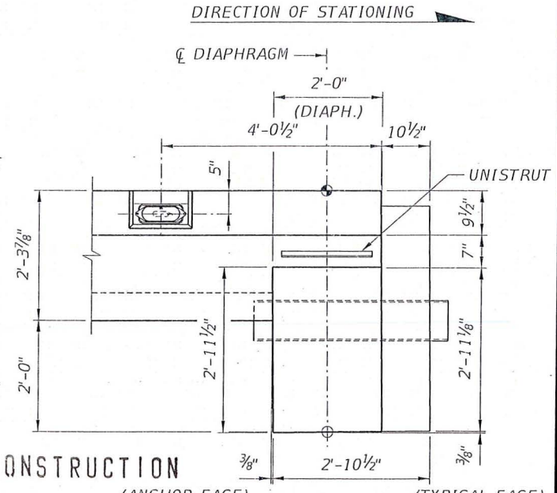



HALF PLAN
(TOP SLAB)

DIRECTION OF STATIONING




SECTION A-A
(TENDONS D1 & D2)




VIEW B-B

FOR CONSTRUCTION

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| | |
|---|---|
| DRAWN BY: | DCB |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

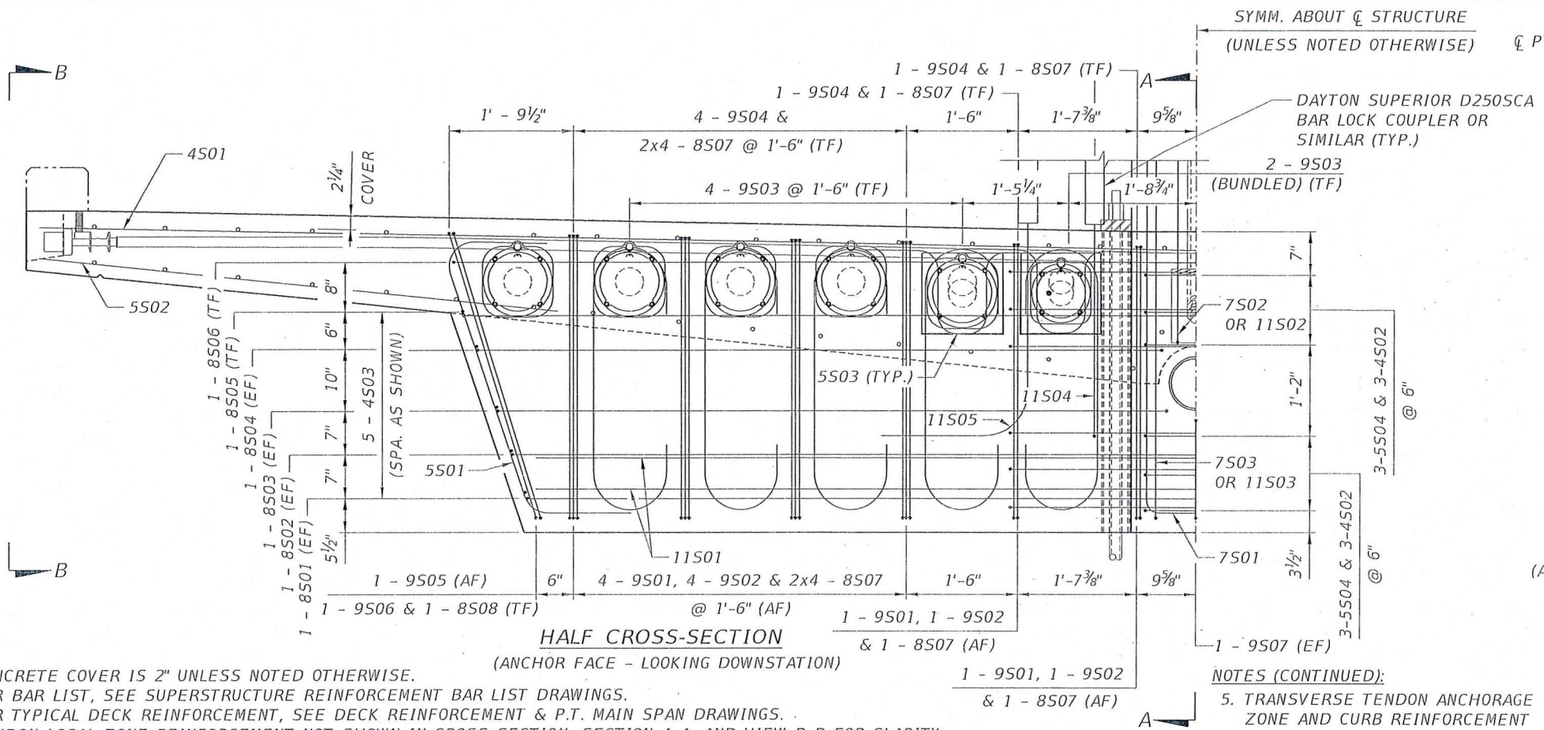
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE II

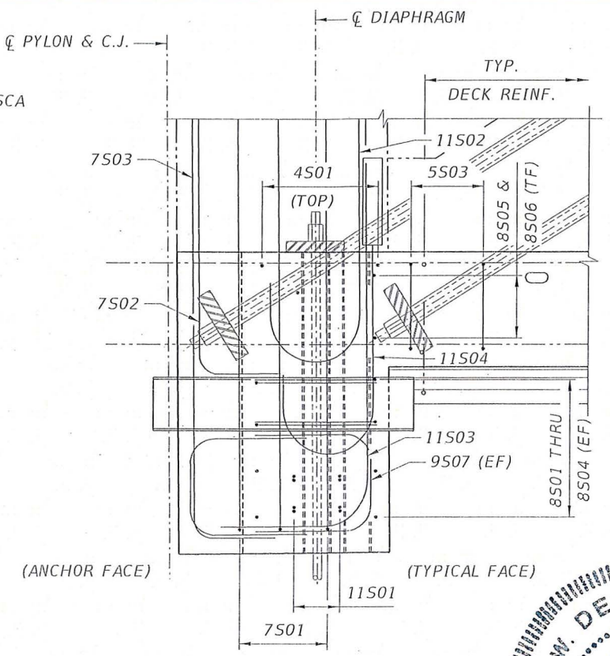
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-46


Plotted By: lcavanaugh 4/7/2017 1:14:28 PM G:\434688815801\struct\B1_46_Type 2_Deck_End_Diaphragm_Dim&PT.dgn




HALF CROSS-SECTION
(ANCHOR FACE - LOOKING DOWNSTATION)



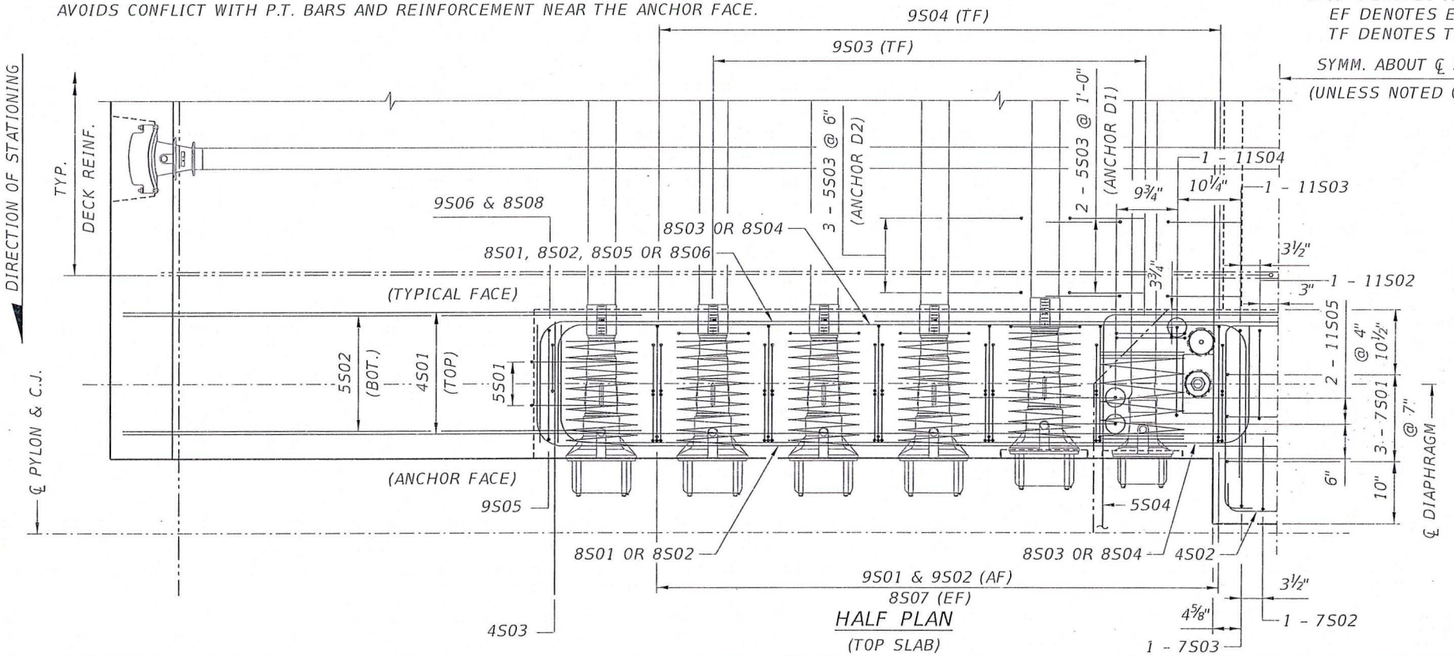

SECTION A-A

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL DECK REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION, SECTION A-A, AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH P.T. BARS AND REINFORCEMENT NEAR THE ANCHOR FACE.

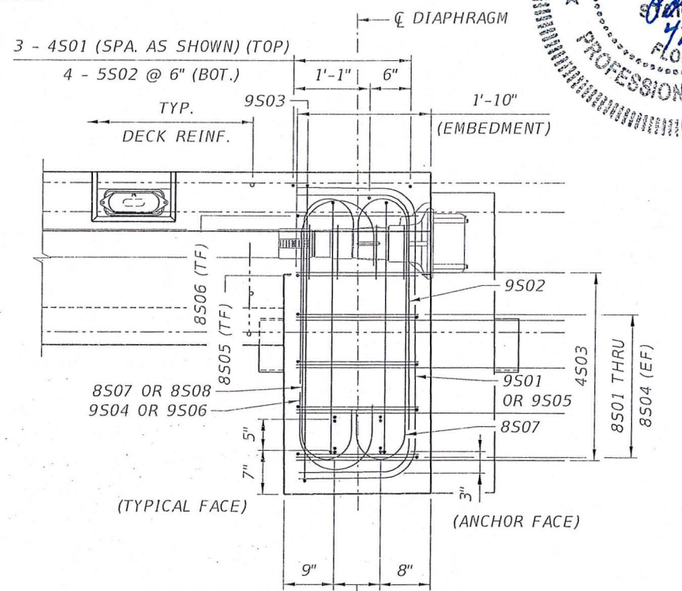
NOTES (CONTINUED):

5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
6. AF DENOTES ANCHOR FACE. EF DENOTES EACH FACE. TF DENOTES TYPICAL FACE.




HALF PLAN
(TOP SLAB)

SYMM. ABOUT ℄ STRUCTURE
(UNLESS NOTED OTHERWISE)




VIEW B-B

FOR CONSTRUCTION

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

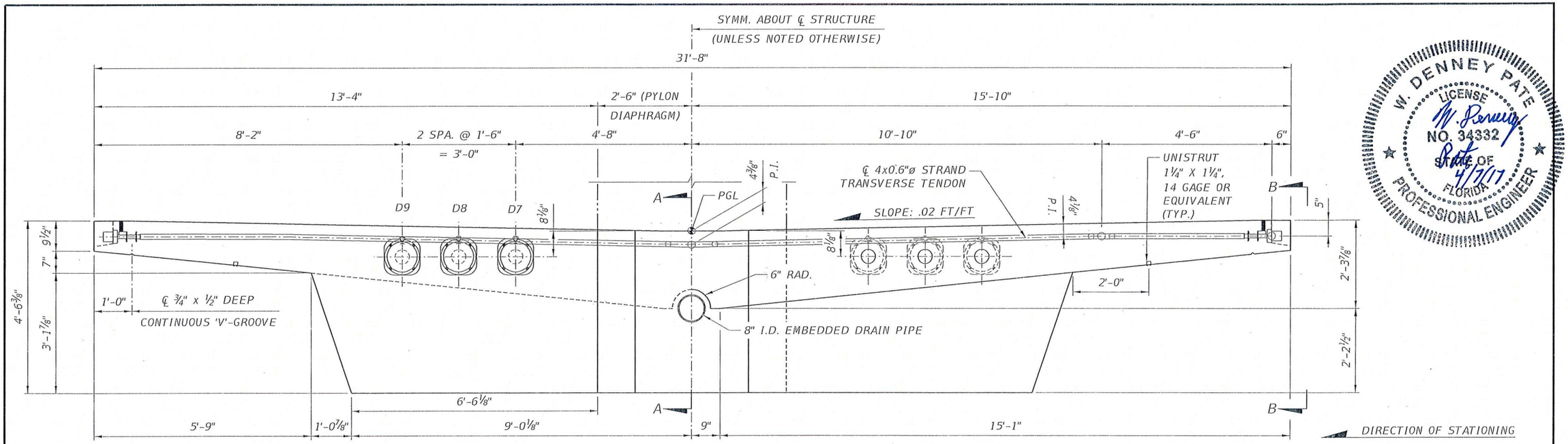
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM REINFORCEMENT - TYPE II

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

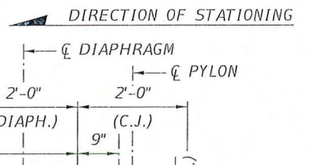
SHEET NO. B-47


Plotted By: lcavanaugh 4/7/2017 1:14:31 PM G:\43468815801\struct\B1_47_Type 2_Deck_End_Diaphragm_Reinf.dgn

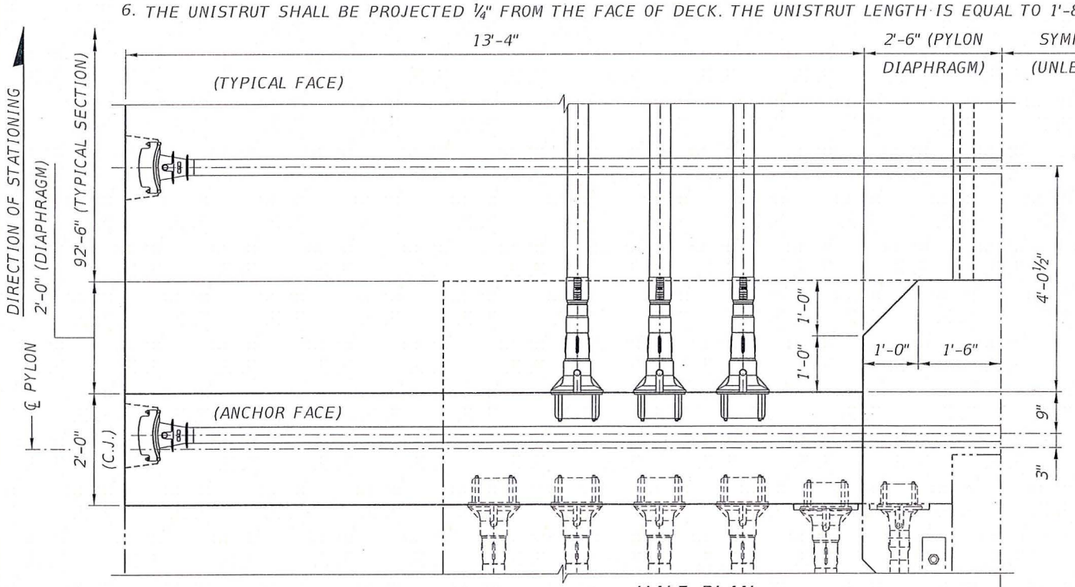



HALF CROSS-SECTION
(LOOKING UPSTATION - ANCHOR FACE)

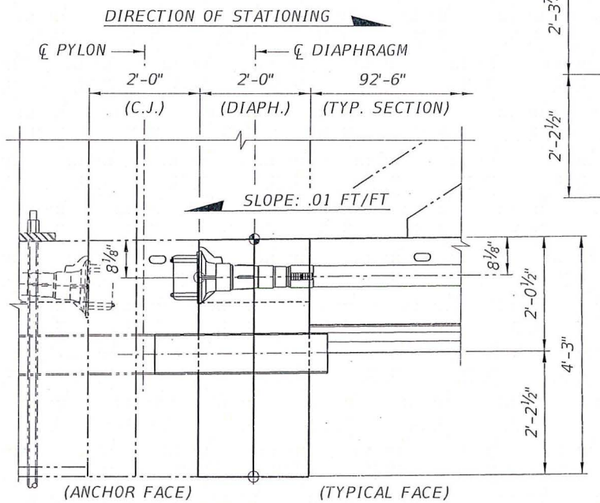
HALF CROSS-SECTION
(LOOKING DOWNSTATION - TYPICAL FACE)



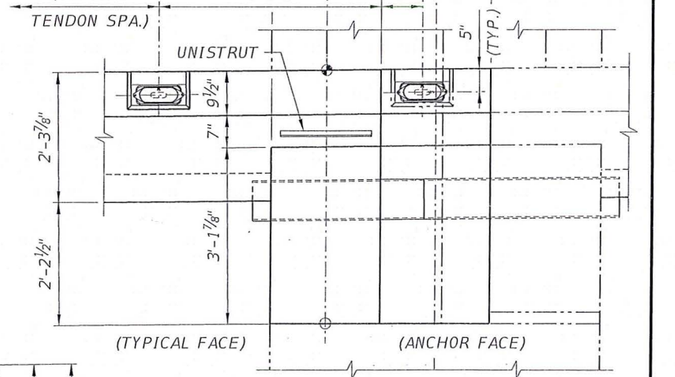

NOTES:
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWINGS.
4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. THE UNISTRUT SHALL BE PROJECTED ¼" FROM THE FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 1'-8".



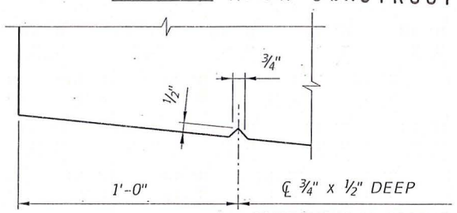

HALF PLAN
(TOP SLAB)




SECTION A-A




VIEW B-B FOR CONSTRUCTION




'V'-GROOVE DETAIL

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

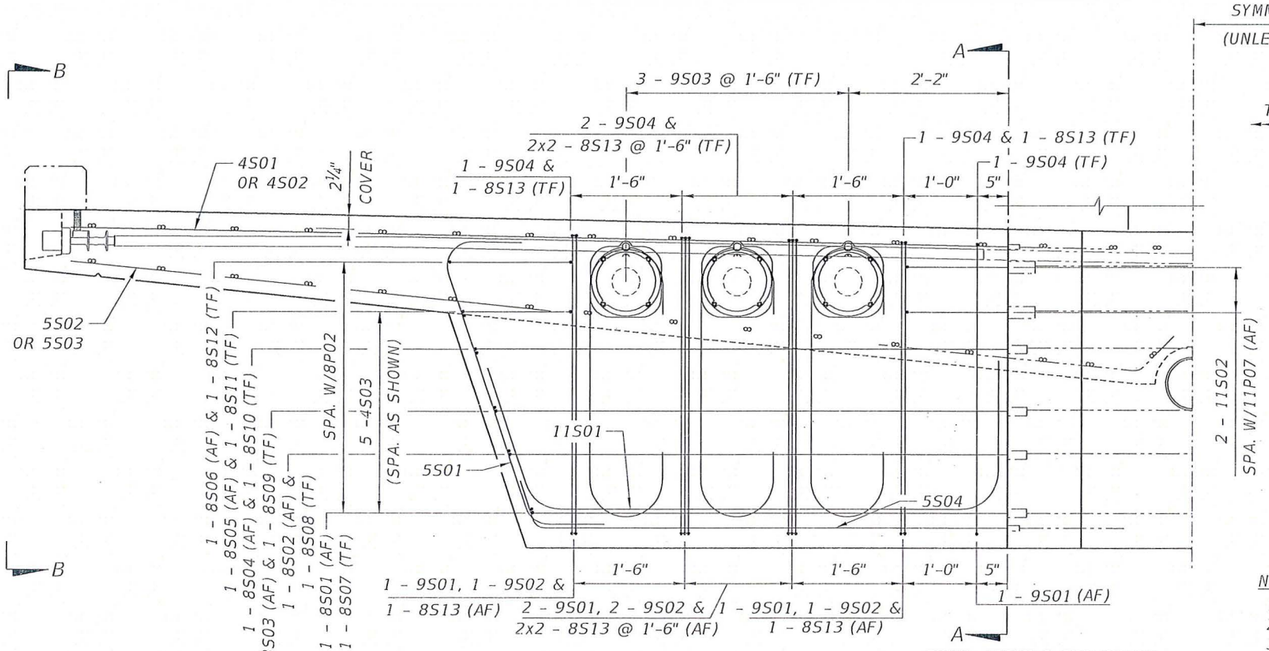
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE III

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

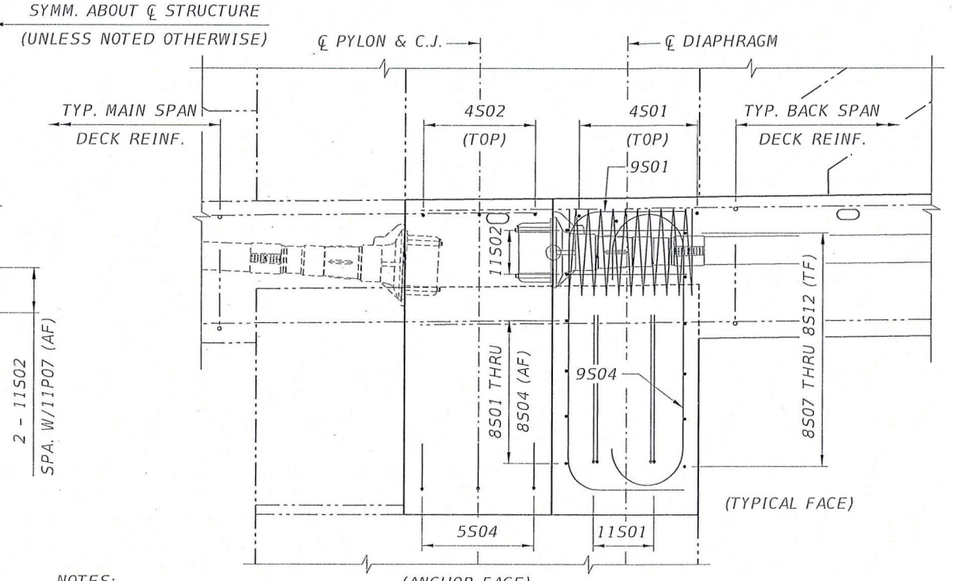
SHEET NO. B-48

Plotted By: lcavanaugh 4/7/2017 1:14:32 PM G:\4346881501\struct\B1_48_Type 3_Deck_End_Diaphragm_Dim&PT.dgn




HALF CROSS-SECTION

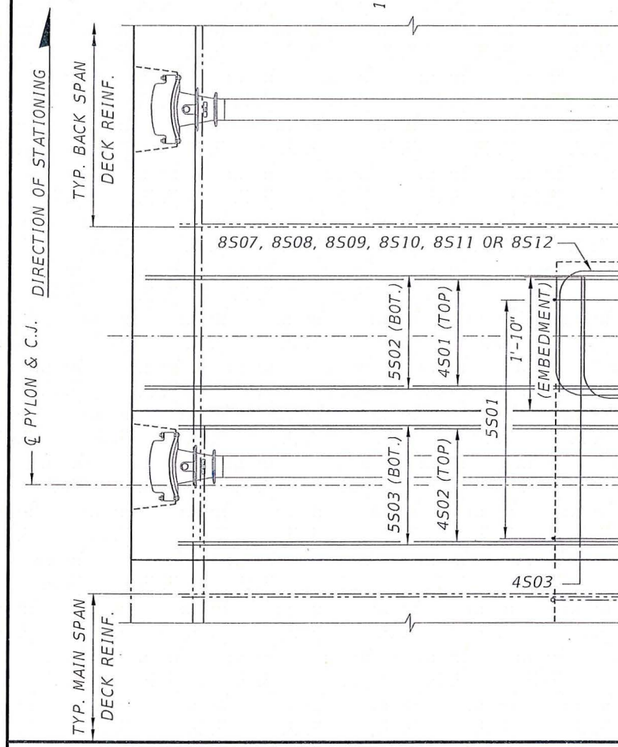
(ANCHOR FACE - LOOKING UPSTATION)




SECTION A-A

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL DECK REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWINGS.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.
5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.

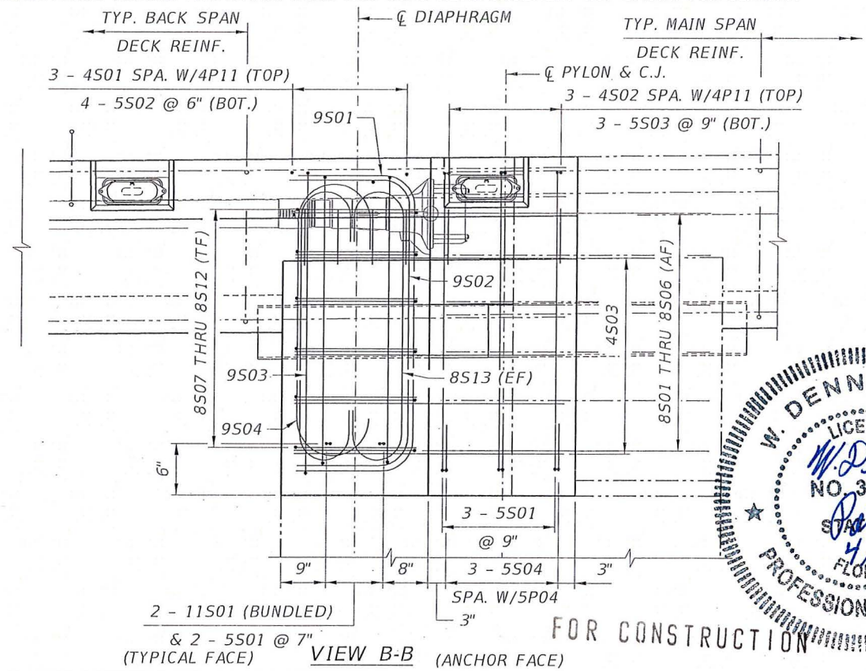



HALF PLAN

(TOP SLAB)

NOTES (CONTINUED):

6. AF DENOTES ANCHOR FACE.
   EF DENOTES EACH FACE.
   TF DENOTES TYPICAL FACE.




VIEW B-B

FOR CONSTRUCTION

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

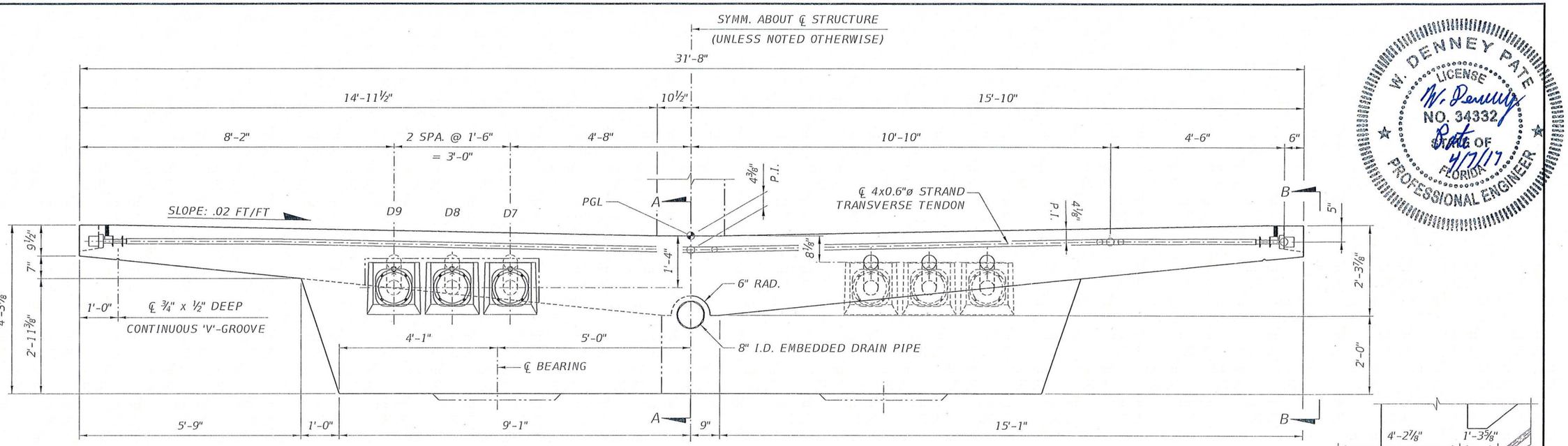
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM REINFORCEMENT - TYPE III

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

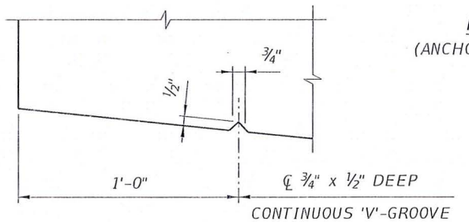
SHEET NO. B-49

Plotted By: lcavanaugh 4/7/2017 1:14:32 PM G:\434688158O1\struct\B1_49_Type 3_Deck_End_Diaphragm_Reinf.dgn



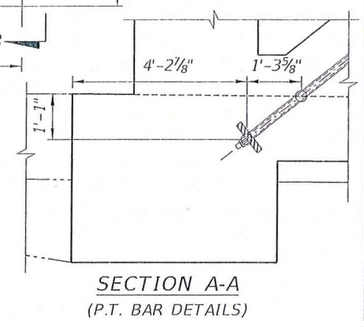

HALF CROSS-SECTION
(ANCHOR FACE - LOOKING DOWNSTATION)

HALF CROSS-SECTION
(TYPICAL FACE - LOOKING UPSTATION)

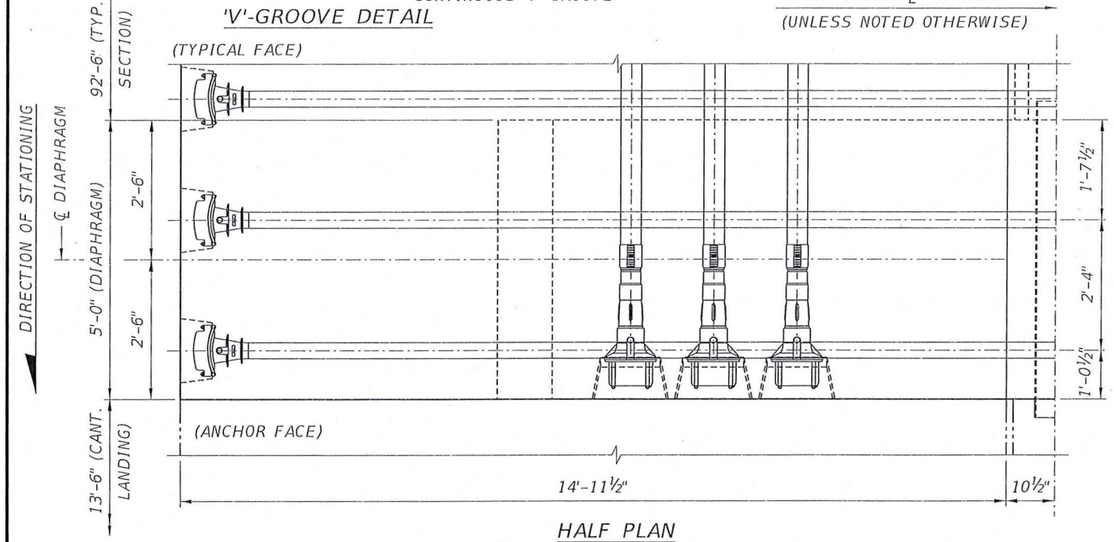



'V'-GROOVE DETAIL

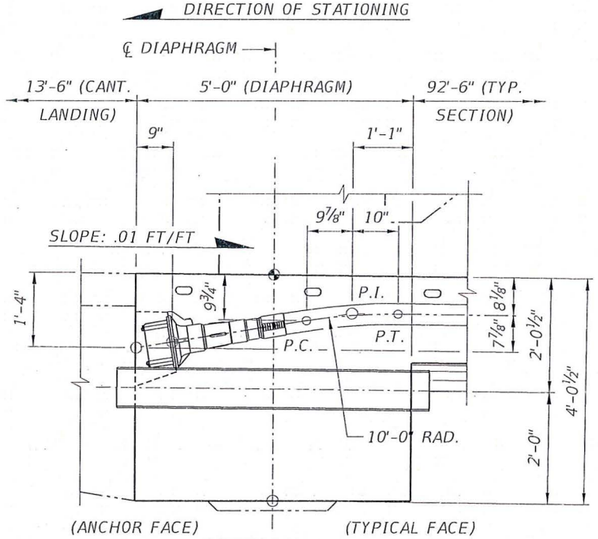
NOTES:
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWING.
4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.
5. FOR BEARING DETAILS, SEE BEARING DETAILS DRAWING,
6. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWINGS.



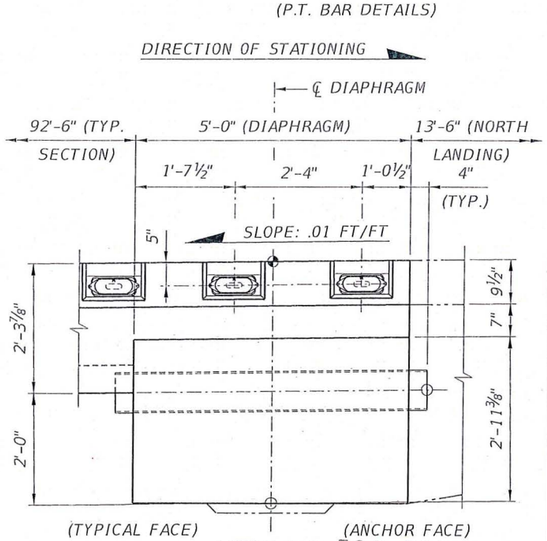

SECTION A-A
(P.T. BAR DETAILS)




HALF PLAN
(TOP SLAB)




SECTION A-A




VIEW B-B

FOR CONSTRUCTION

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
W. Denney Pate 4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | DCB |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

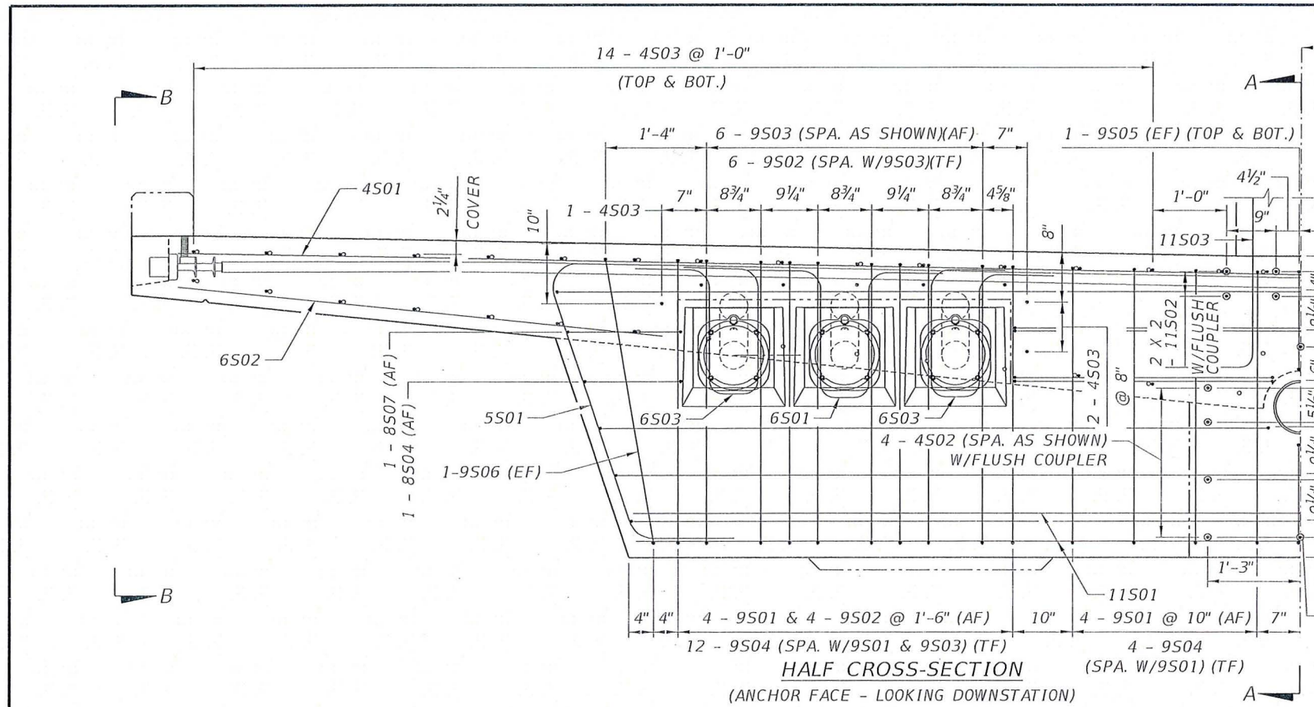
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE IV

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

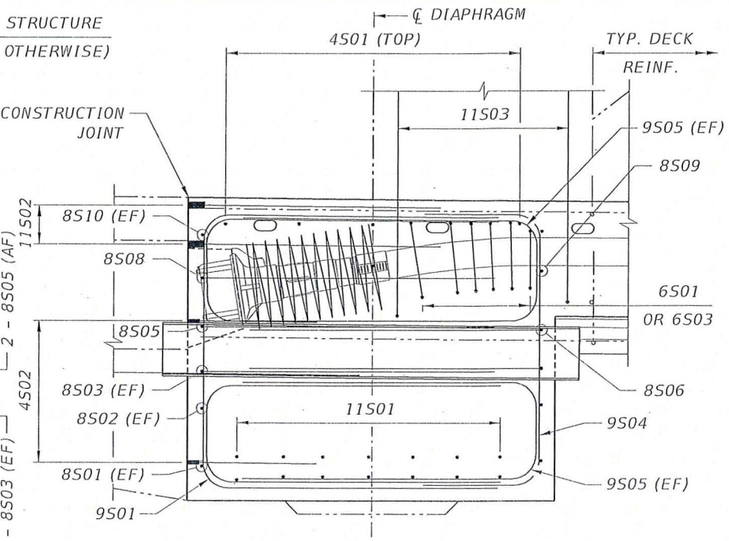
SHEET NO. B-50

Plotted By: lcavanaugh 4/7/2017 1:14:35 PM G:\43468815801\struct\B1_50_Type 4_Deck_End_Diaphragm_Dim&PT.dgn




HALF CROSS-SECTION

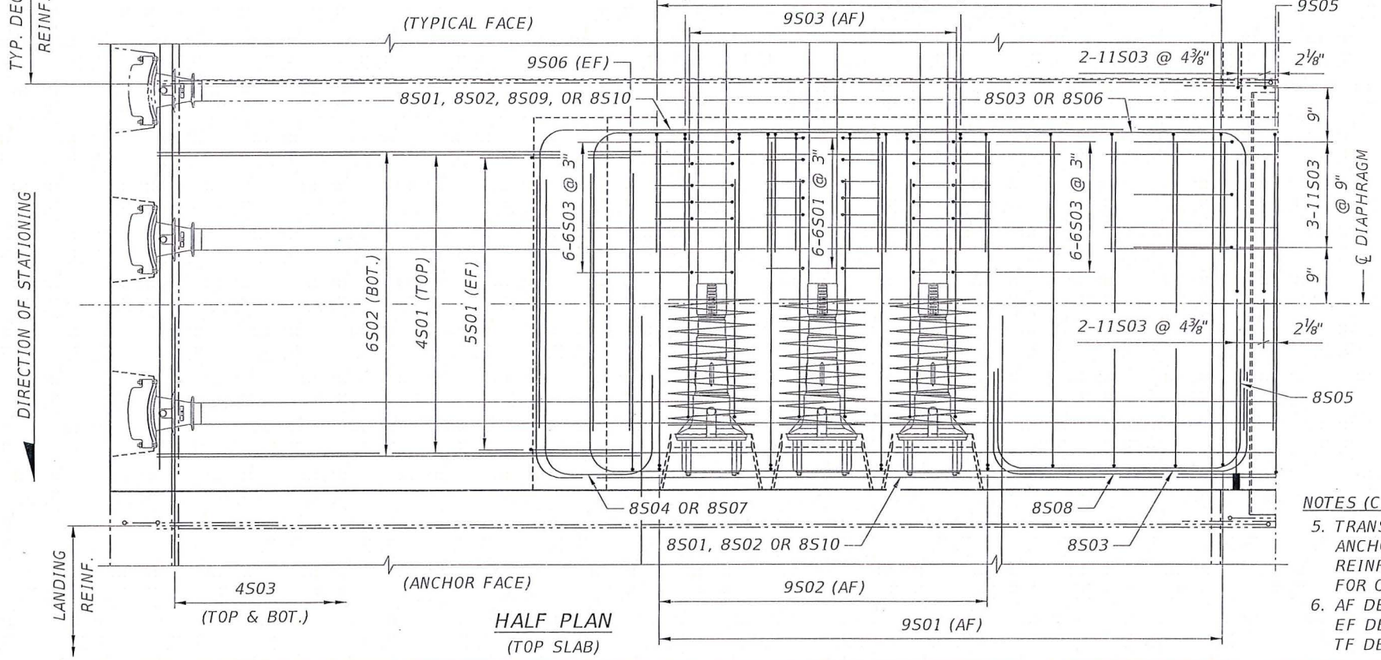
(ANCHOR FACE - LOOKING DOWNSTATION)




SECTION A-A

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL DECK AND CANTILEVER LANDING REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWINGS AND DECK REINFORCEMENT & P.T. NORTH LANDING DRAWING.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

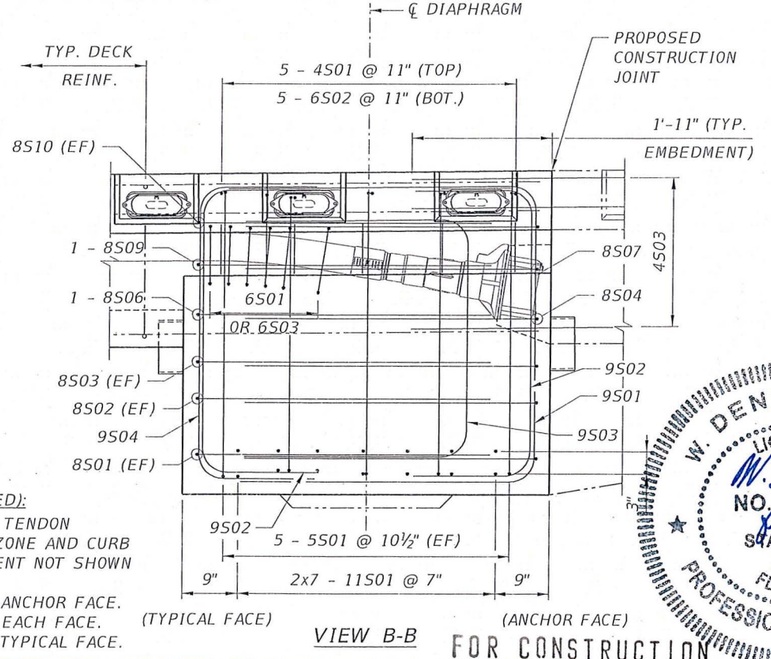



HALF PLAN

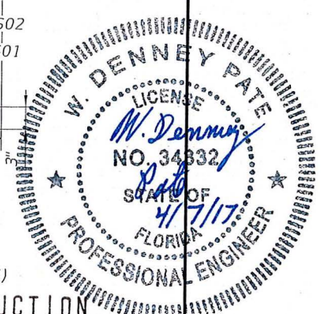
(TOP SLAB)

NOTES (CONTINUED):

5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
6. AF DENOTES ANCHOR FACE. EF DENOTES EACH FACE. TF DENOTES TYPICAL FACE.




VIEW B-B




FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

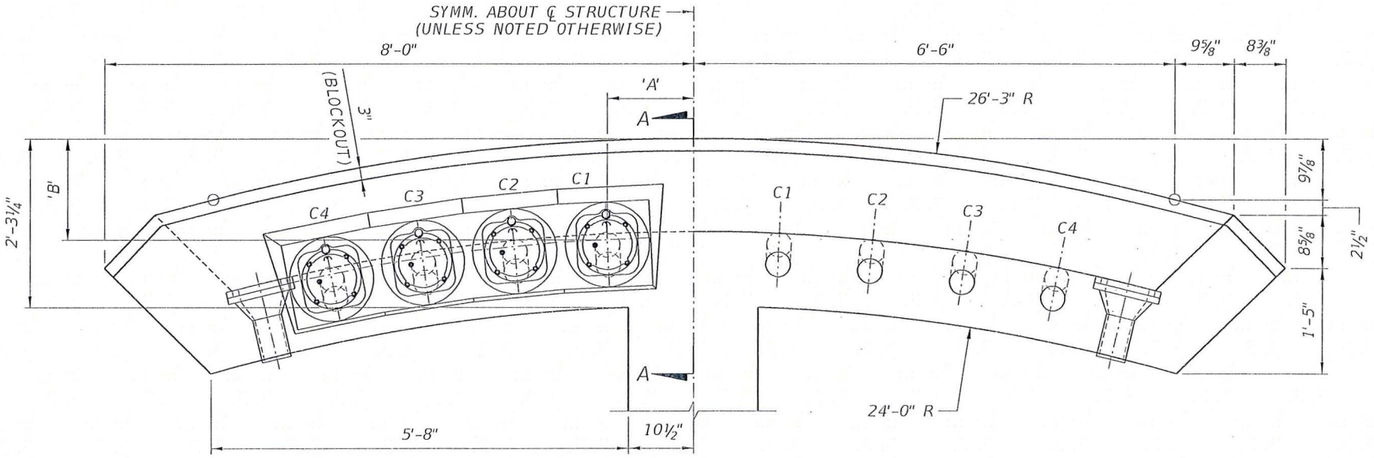
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK END DIAPHRAGM REINFORCEMENT - TYPE IV

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

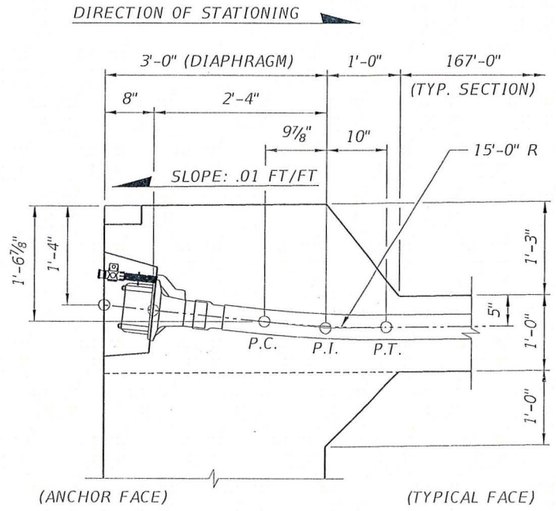
SHEET NO. B-51

Plotted By: lcavanaugh 4/7/2017 1:14:37 PM G:\43468815801\struct\B1_51_Type 4_Deck_End_Diaphragm_Reinf.dgn

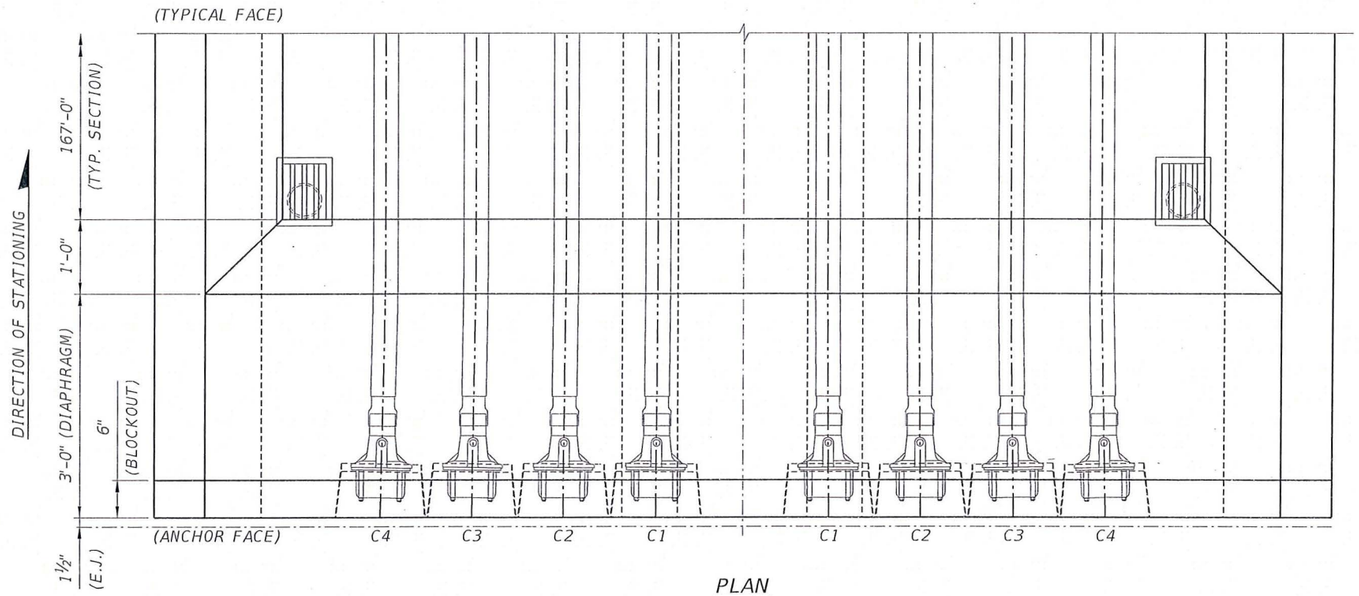



HALF CROSS-SECTION
(ANCHOR FACE - LOOKING UPSTATION)

HALF CROSS-SECTION
(TYPICAL FACE - LOOKING DOWNSTATION)




SECTION A-A




PLAN

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| TENDON DIMENSIONS | | | |
|---|---|---|---|
| | TENDON | 'A' | 'B' |
| ANCHOR FACE | C1 | 1'-2" | 1'-4⅜" |
| | C2 | 2'-5" | 1'-5⅜" |
| | C3 | 3'-8" | 1'-7¼" |
| | C4 | 4'-11" | 1'-9⅞" |
| TYPICAL FACE | C1 | 1'-2" | 1'-8⅜" |
| | C2 | 2'-5" | 1'-9⅜" |
| | C3 | 3'-8" | 1'-11¼" |
| | C4 | 4'-11" | 2'-1¾" |

FOR CONSTRUCTION

NOTES:
1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
4. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | KJM |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FLORIDA INTERNATIONAL UNIVERSITY

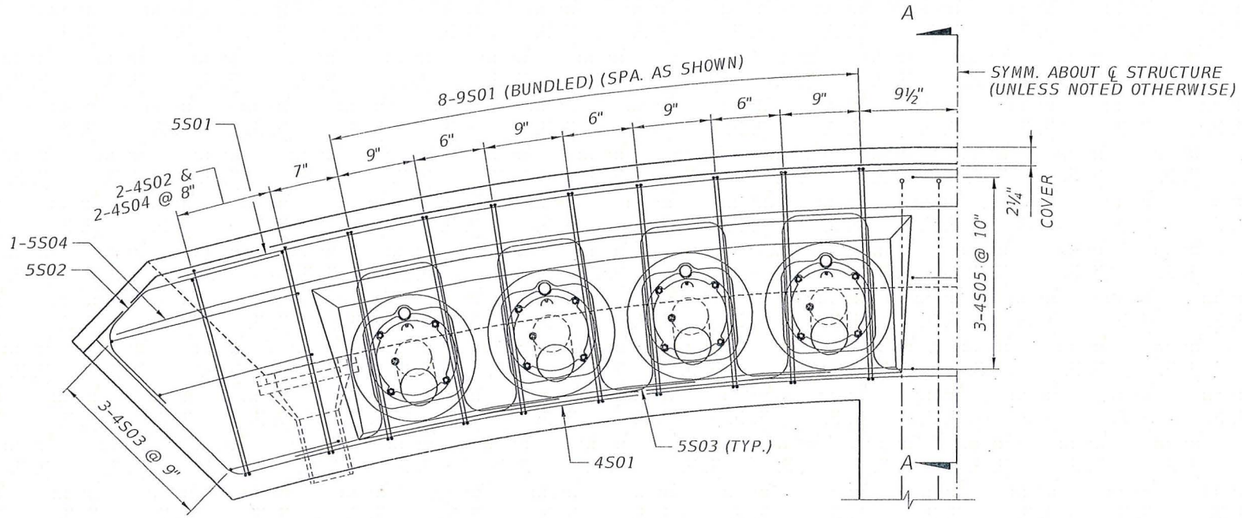
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE I

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

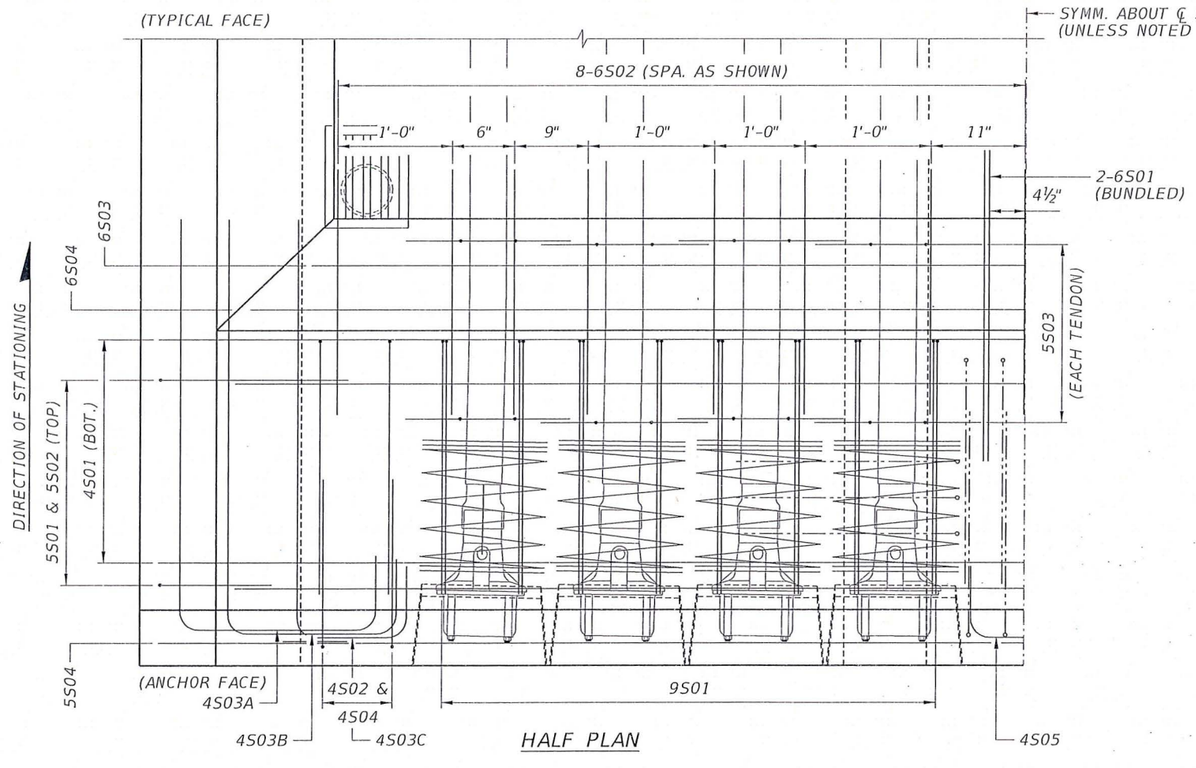
SHEET NO. B-52

Plotted By: lcavanaugh 4/7/2017 1:14:37 PM G:\43468815801\struct\B1_Type1-Canopy-Diaphragm.dgn

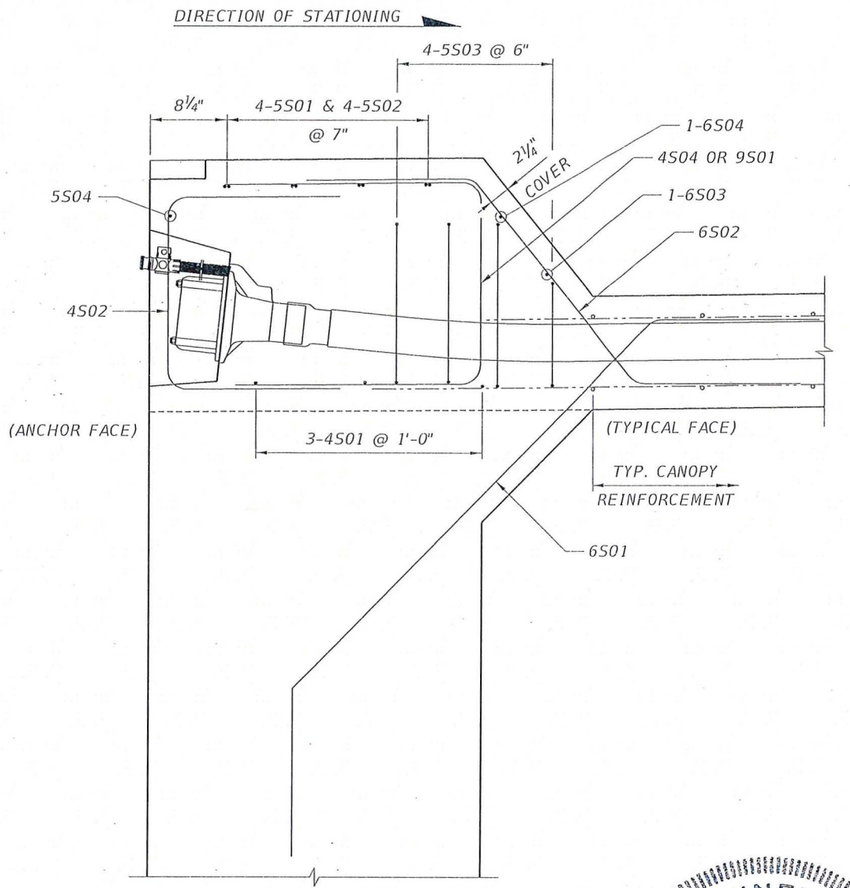



HALF CROSS-SECTION

(ANCHOR FACE - LOOKING UPSTATION)




HALF PLAN




SECTION A-A

(COLUMN REINFORCEMENT NOT SHOWN FOR CLARITY)

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Date 4/7/17

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. MAIN SPAN DRAWING.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | KJM |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

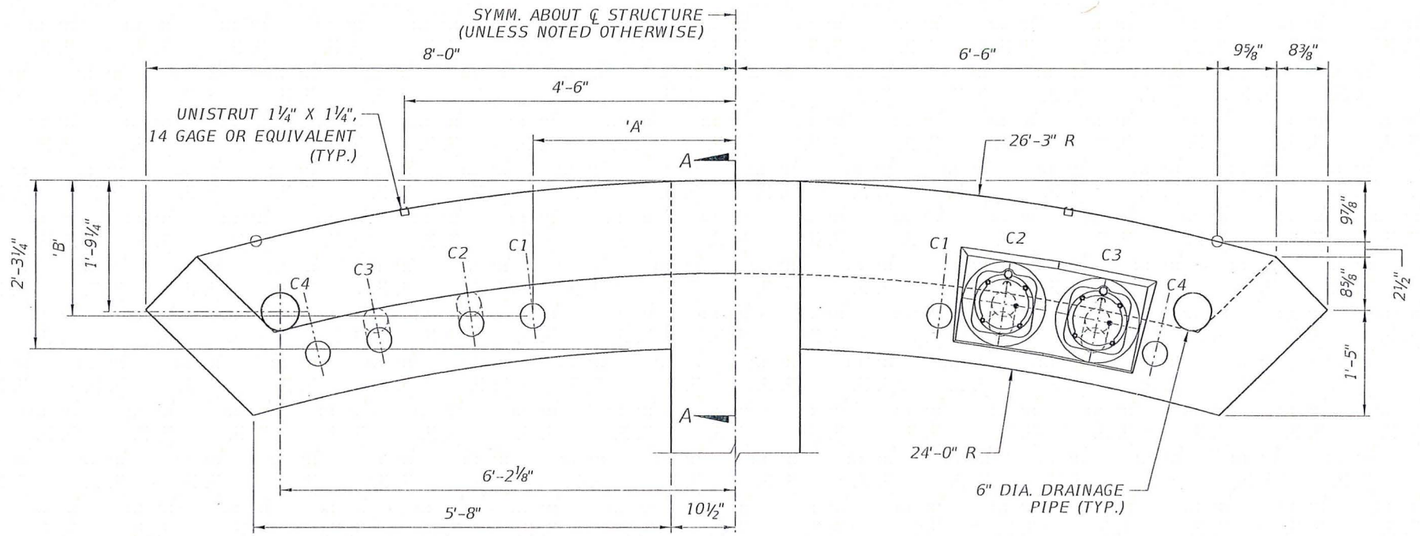
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM REINFORCEMENT - TYPE I

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

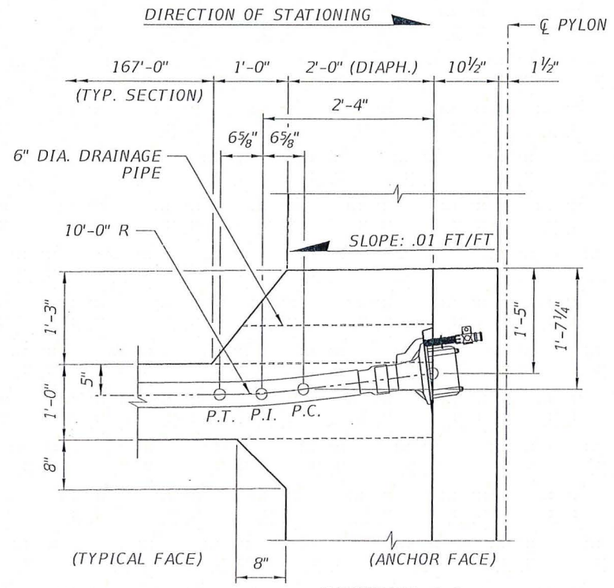
SHEET NO. B-53

Plotted By: lcavanaugh 4/7/2017 1:14:39 PM G:\43468815801\struct\B1_Type1-Canopy-Diaphragm_Reinf.dgn

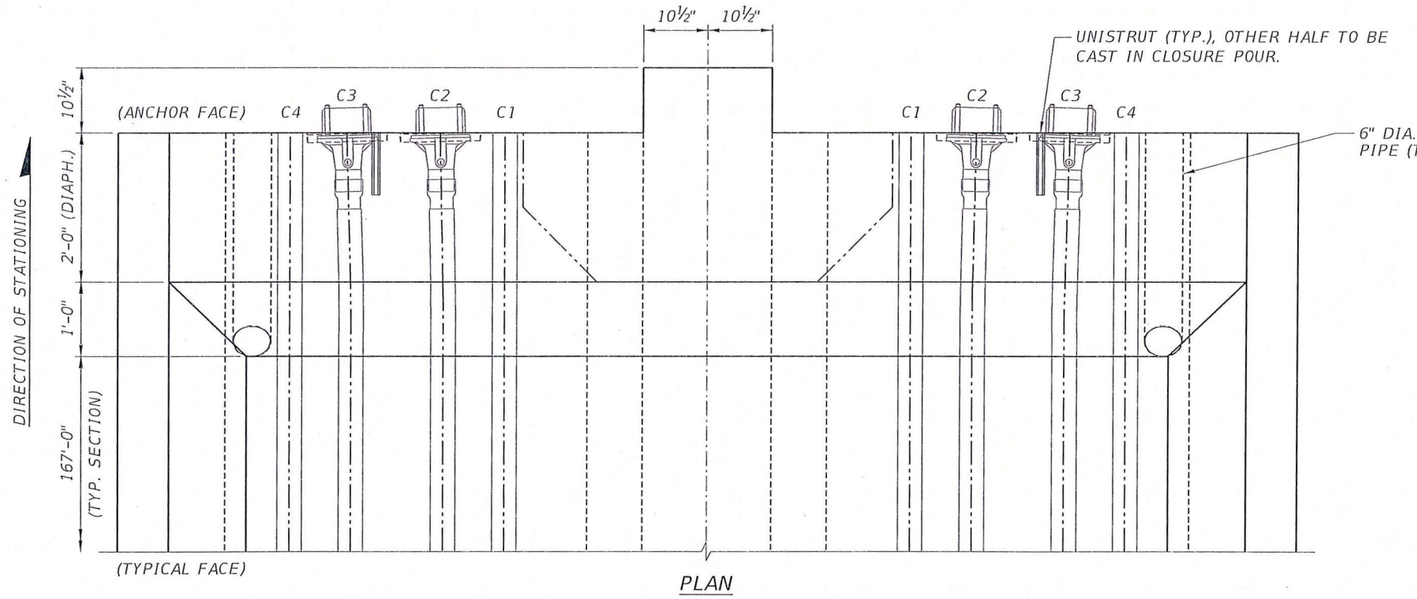



HALF CROSS-SECTION
(TYPICAL FACE - LOOKING UPSTATION)

HALF CROSS-SECTION
(ANCHOR FACE - LOOKING DOWNSTATION)




SECTION A-A




PLAN

| TENDON DIMENSIONS | | | |
|---|---|---|---|
| | TENDON | 'A' | 'B' |
| ANCHOR FACE | C1 | 2'-9" | 1'-9⅞" |
| | C2 | 3'-7½" | 1'-8" |
| | C3 | 4'-10½" | 1'-10⅝" |
| | C4 | 5'-8" | 2'-4" |
| TYPICAL FACE | C1 | 2'-9" | 1'-9⅞" |
| | C2 | 3'-7" | 1'-11⅛" |
| | C3 | 4'-10" | 2'-1¾" |
| | C4 | 5'-8" | 2'-4" |

NOTES:

1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWINGS.
2. FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
3. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
4. FOR ADDITIONAL DRAINAGE PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
5. THE UNISTRUT SHALL BE PROJECTED ¼" FROM FACE OF CANOPY DIAPHRAGM. THE TOTAL UNISTRUT LENGTH IS EQUAL TO 1'-8".

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: KJM
CHECKED BY: ENH
DESIGNED BY: ENH
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

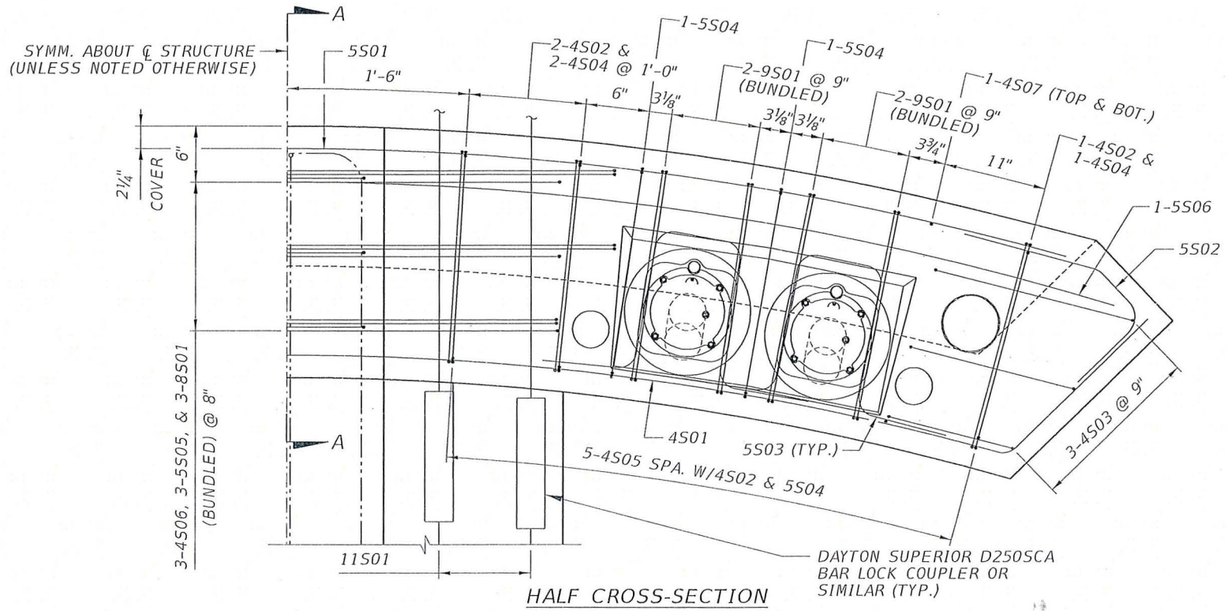
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE II

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

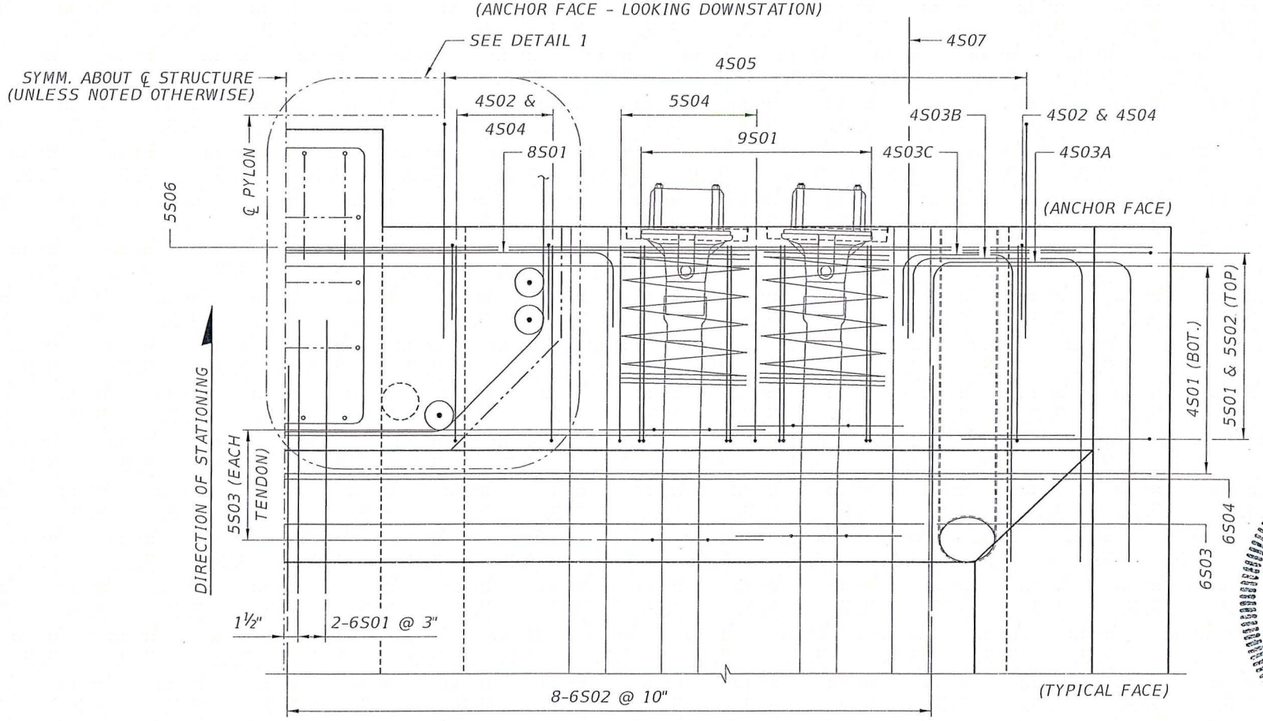
SHEET NO. B-54

Plotted By: lcavanaugh 4/7/2017 1:14:44 PM G:\43468815801\struct\B1_Type2-Canopy-Diaphragm.dgn

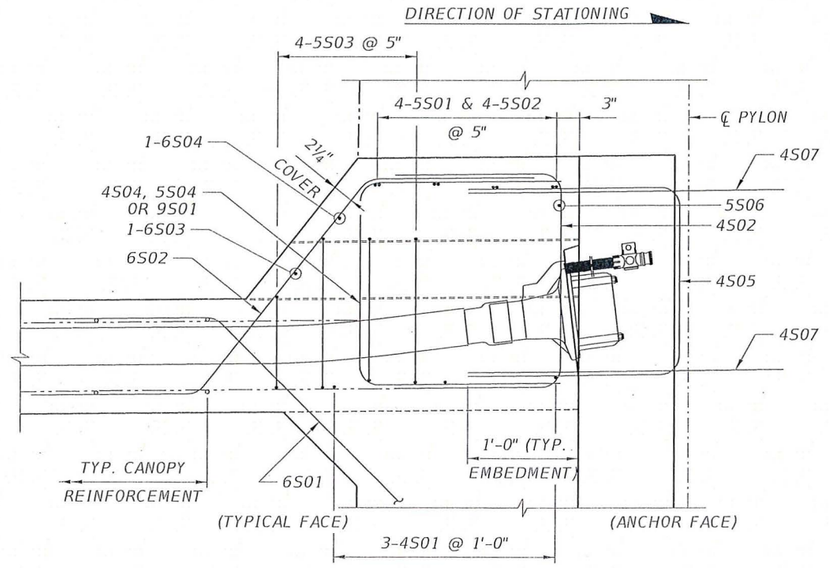



HALF CROSS-SECTION

(ANCHOR FACE - LOOKING DOWNSTATION)

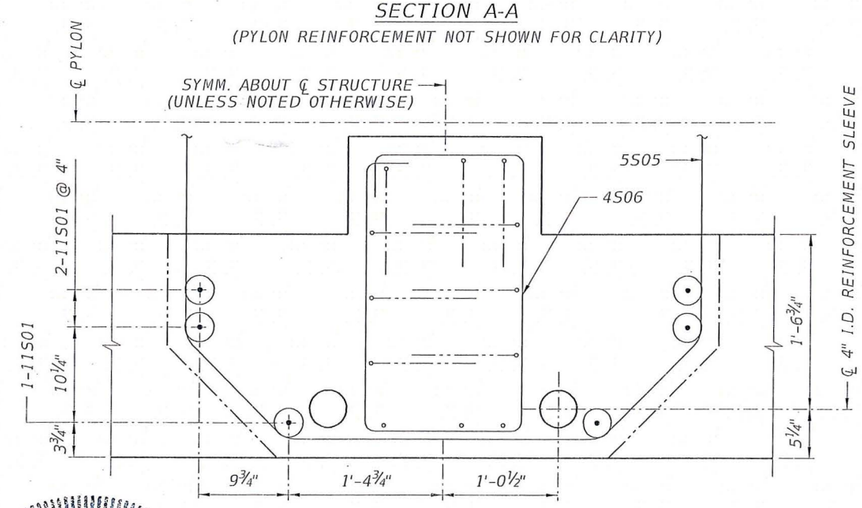



HALF PLAN




SECTION A-A

(PYLON REINFORCEMENT NOT SHOWN FOR CLARITY)




DETAIL 1

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. MAIN SPAN DRAWING.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| KJM | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

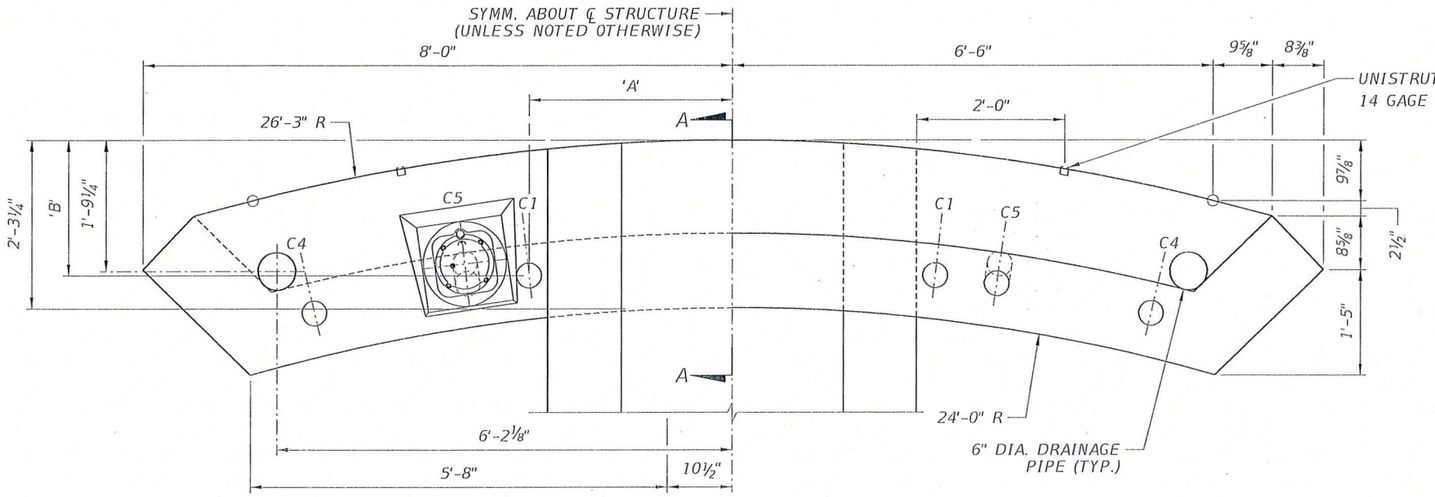
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

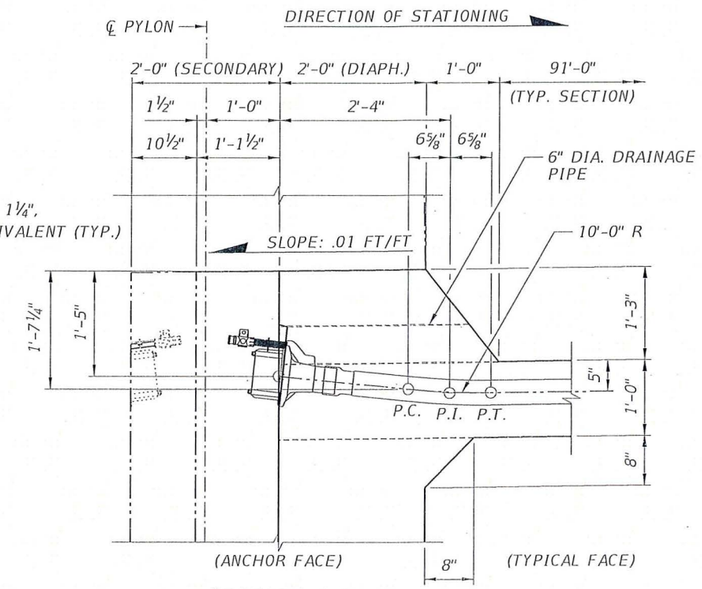
SHEET NO. B-55


Plotted By: lcavanaugh 4/7/2017 1:14:45 PM G:\43468815801\struct\B1_Type2-Canopy-Diaphragm_Reinf.dgn

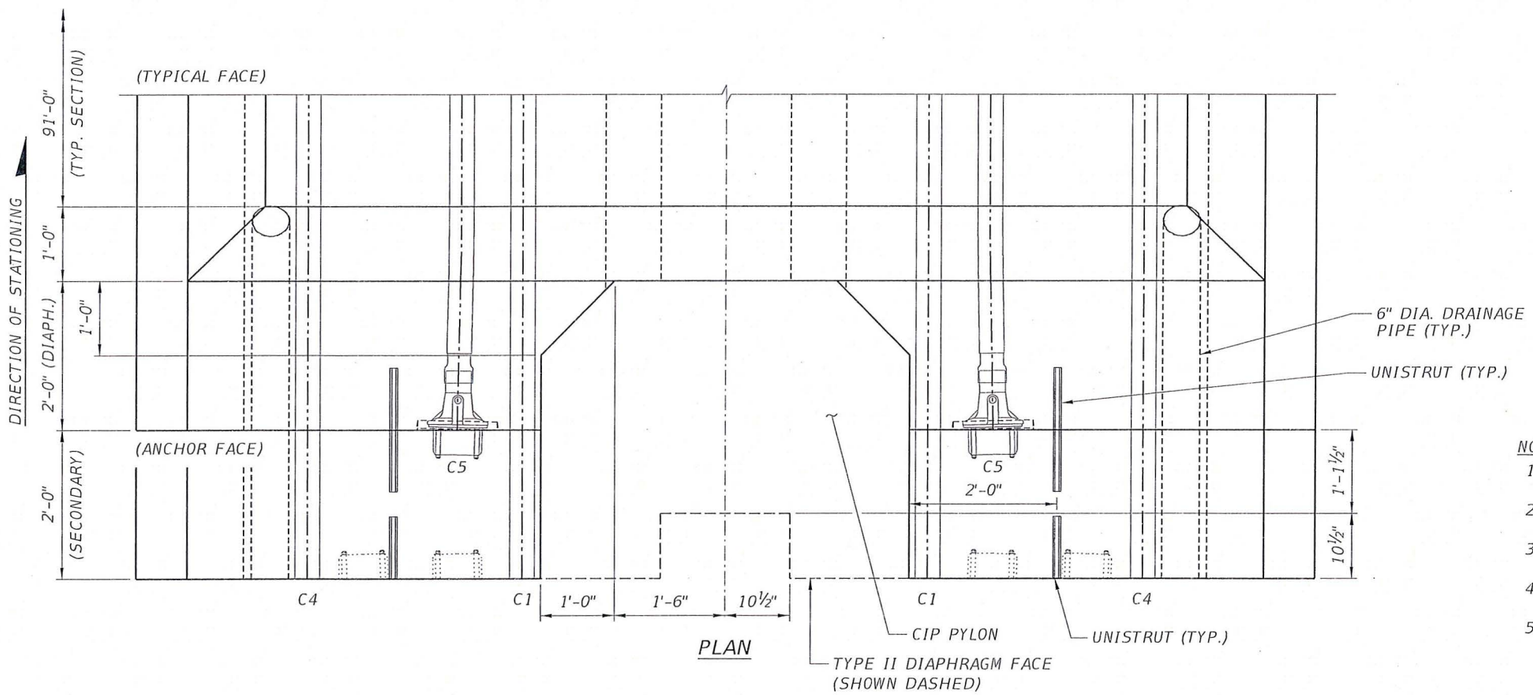



HALF CROSS-SECTION
(ANCHOR FACE - LOOKING UPSTATION)

HALF CROSS-SECTION
(TYPICAL FACE - LOOKING DOWNSTATION)




SECTION A-A




PLAN

| TENDON DIMENSIONS | | | |
|---|---|---|---|
| | TENDON | 'A' | 'B' |
| ANCHOR FACE | C1 | 2'-9" | 1'-9⅞" |
| | C5 | 3'-7½" | 1'-8" |
| | C4 | 5'-8" | 2'-4" |
| TYPICAL FACE | C1 | 2'-9" | 1'-9⅞" |
| | C5 | 3'-7" | 1'-11⅛" |
| | C4 | 5'-8" | 2'-4" |

NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWINGS.
2. FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.
4. FOR ADDITIONAL DRAINAGE PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
5. THE UNISTRUT SHALL BE PROJECTED ¼" FROM THE FACE OF THE CANOPY DIAPHRAGM. THE UNISTRUT TOTAL LENGTH IS EQUAL TO 1'-8". HALF OF THE UNISTRUT SHALL BE CAST IN THE CLOSURE POUR.

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Date 4/7/17

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


DRAWN BY: KJM
CHECKED BY: ENH
DESIGNED BY: ENH
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

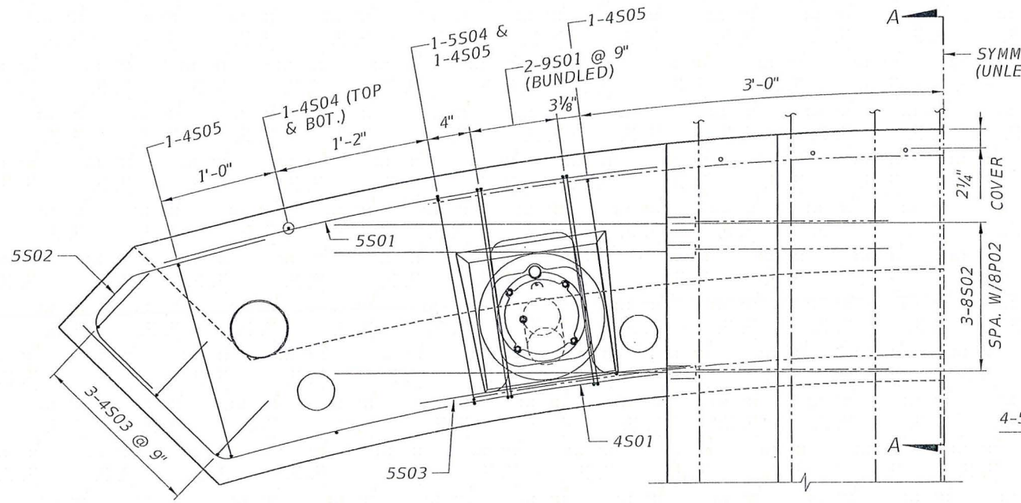
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE III

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

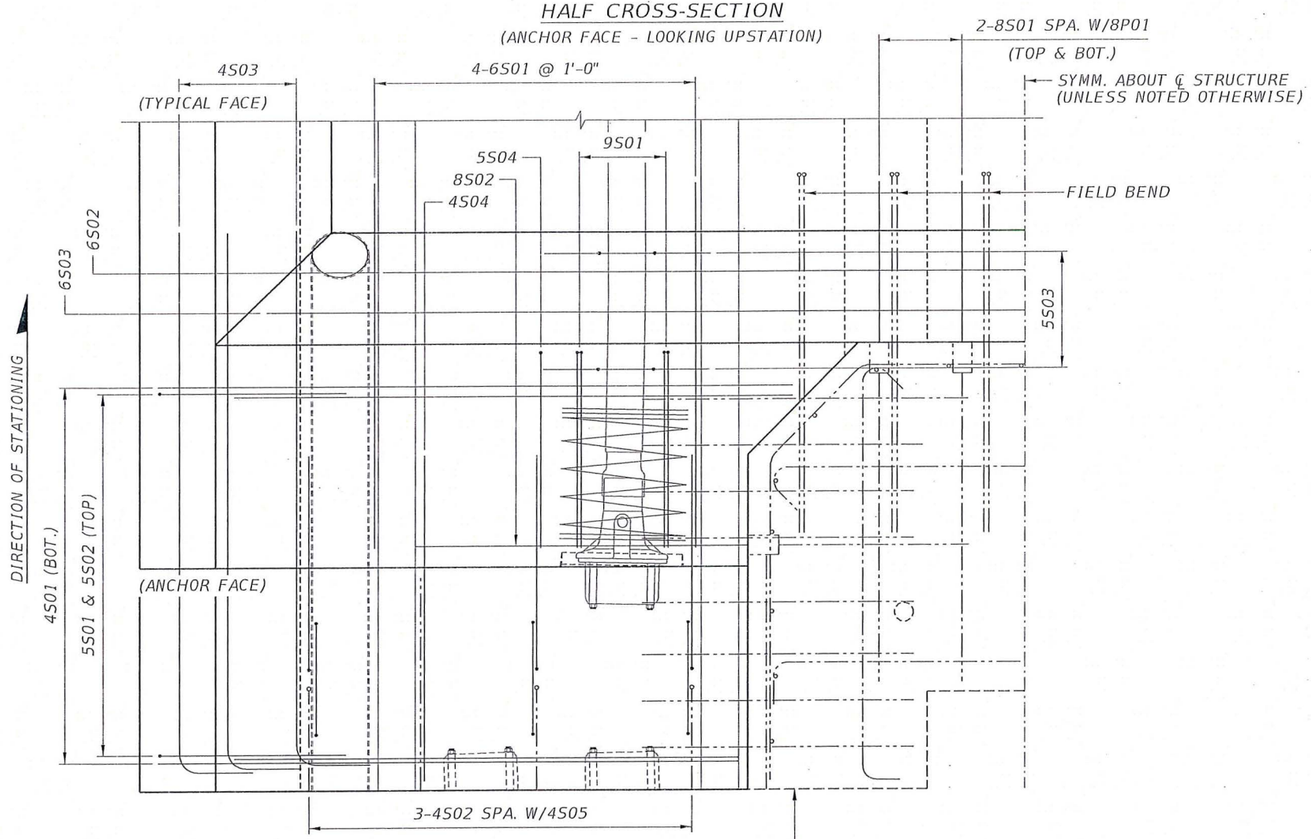
SHEET NO. B-56


Plotted By: lcavanaugh 4/7/2017 1:14:45 PM G:\434688158O1\struct\B1_Type3-Canopy-Diaphragm.dgn

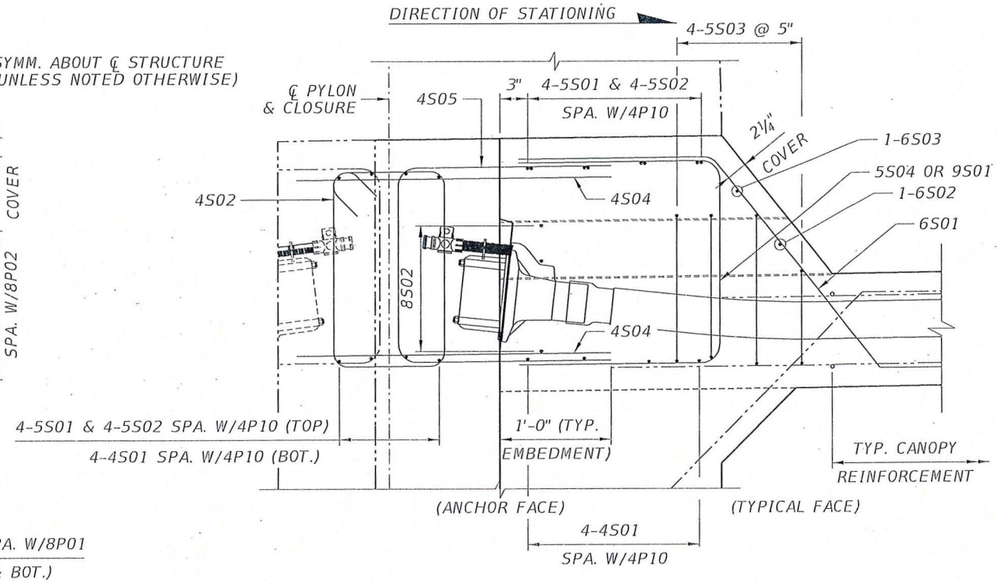



HALF CROSS-SECTION

(ANCHOR FACE - LOOKING UPSTATION)




HALF PLAN




SECTION A-A

(PYLON REINFORCEMENT NOT SHOWN FOR CLARITY)

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. BACK SPAN DRAWING.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| KJM | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

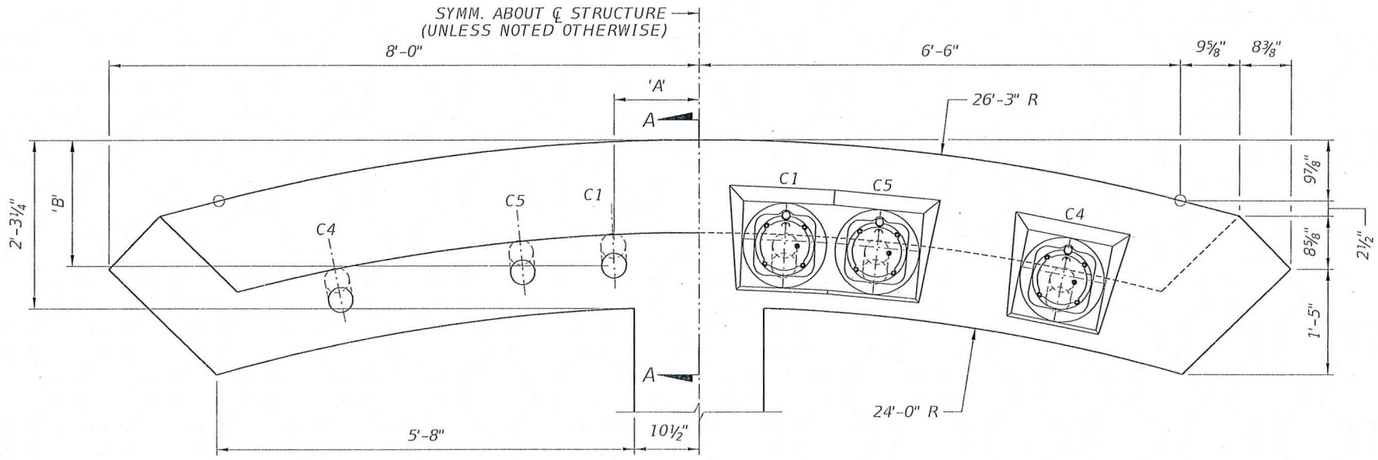
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

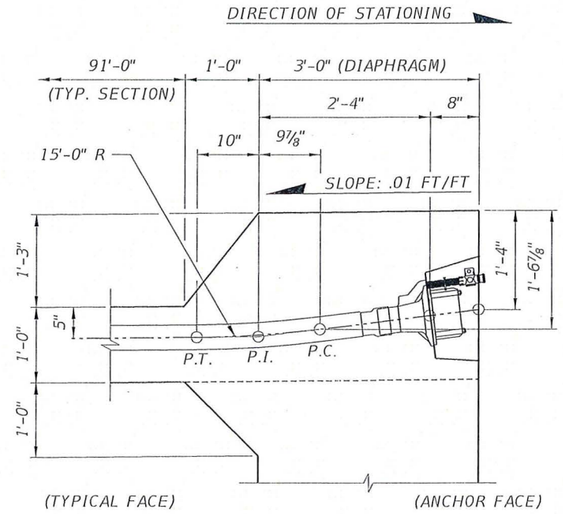
SHEET NO. B-57

Plotted By: lcavanaugh 4/7/2017 3:50:07 PM G:\434688158O1\struct\B1_Type3-Canopy-Diaphragm_Reinf.dgn

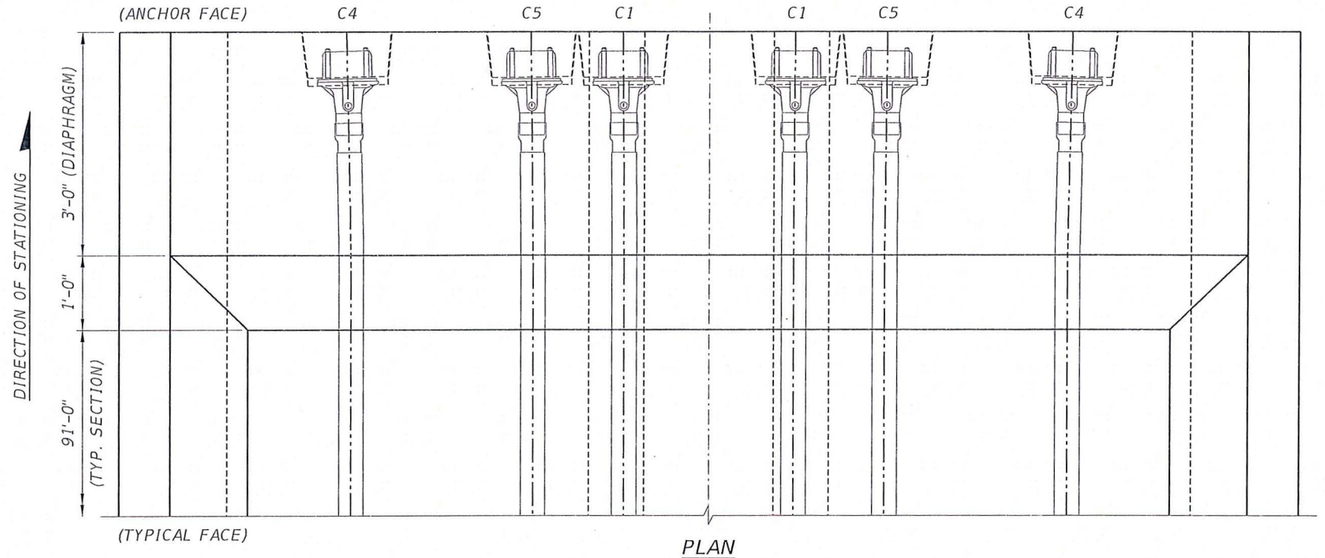



HALF CROSS-SECTION
(TYPICAL FACE - LOOKING UPSTATION)

HALF CROSS-SECTION
(ANCHOR FACE - LOOKING DOWNSTATION)




SECTION A-A




PLAN

| TENDON DIMENSIONS | | | |
|---|---|---|---|
| | TENDON | 'A' | 'B' |
| ANCHOR FACE | C1 | 1'-2" | 1'-4⅜" |
| | C5 | 2'-5" | 1'-5⅜" |
| | C4 | 4'-11" | 1'-9⅞" |
| TYPICAL FACE | C1 | 1'-2" | 1'-8⅜" |
| | C5 | 2'-5" | 1'-9⅜" |
| | C4 | 4'-11" | 2'-1¾" |

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

NOTES:
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
3. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | KJM |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

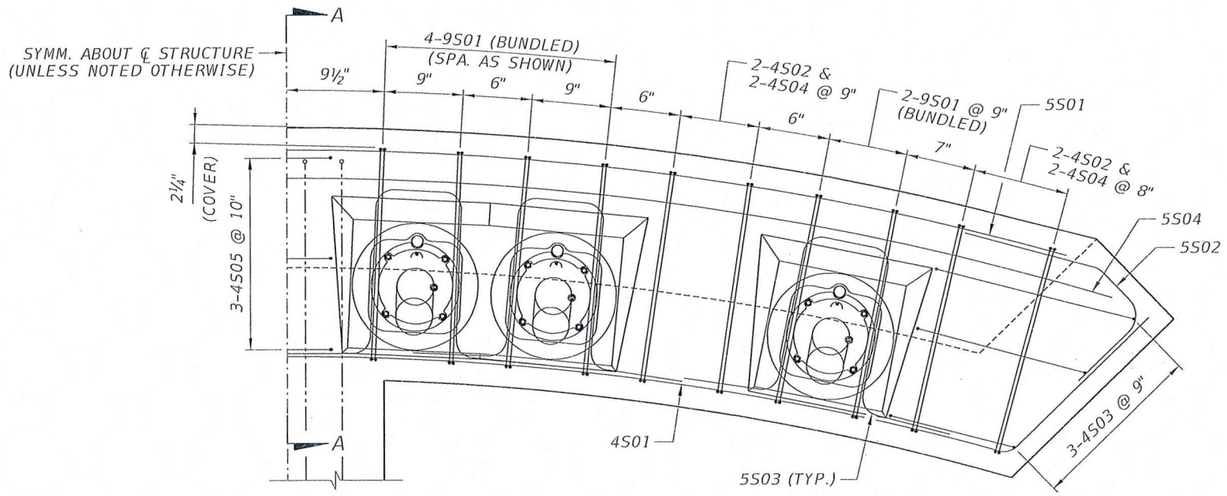
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE IV

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

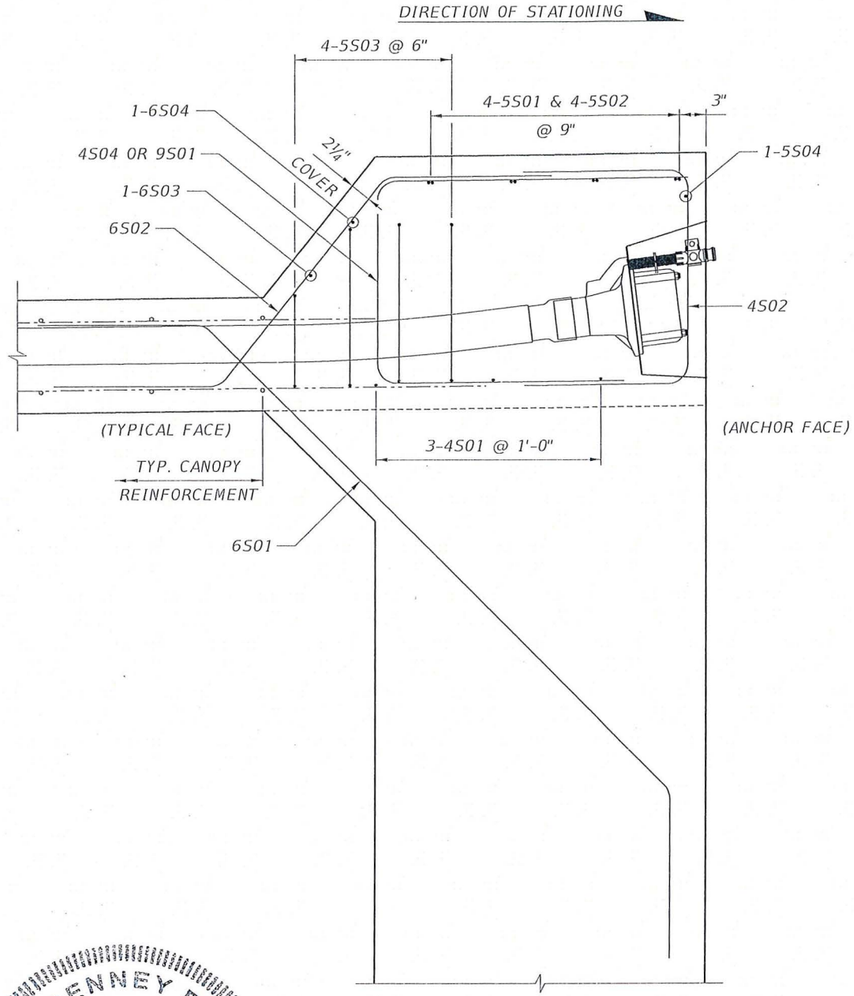
SHEET NO. B-58

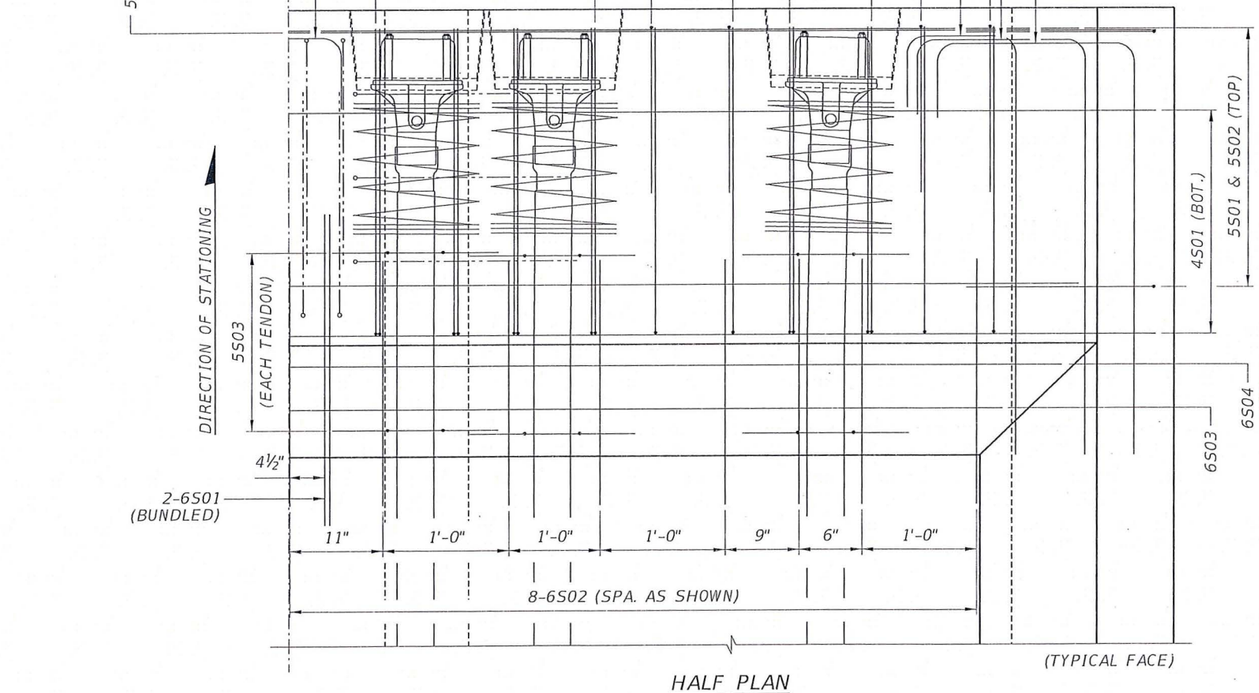
Plotted By: lcavanaugh 4/7/2017 1:14:47 PM G:\43468815801\struct\B1_Type4-Canopy-Diaphragm.dgn



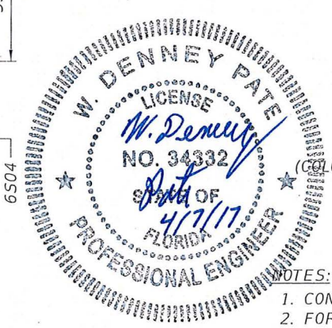

HALF CROSS-SECTION

(ANCHOR FACE - LOOKING DOWNSTATION)




HALF PLAN




SECTION A-A

(COLUMN REINFORCEMENT NOT SHOWN FOR CLARITY)

NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. BACK SPAN DRAWING.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| | |
|---|---|
| DRAWN BY: | KJM |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FLORIDA INTERNATIONAL UNIVERSITY

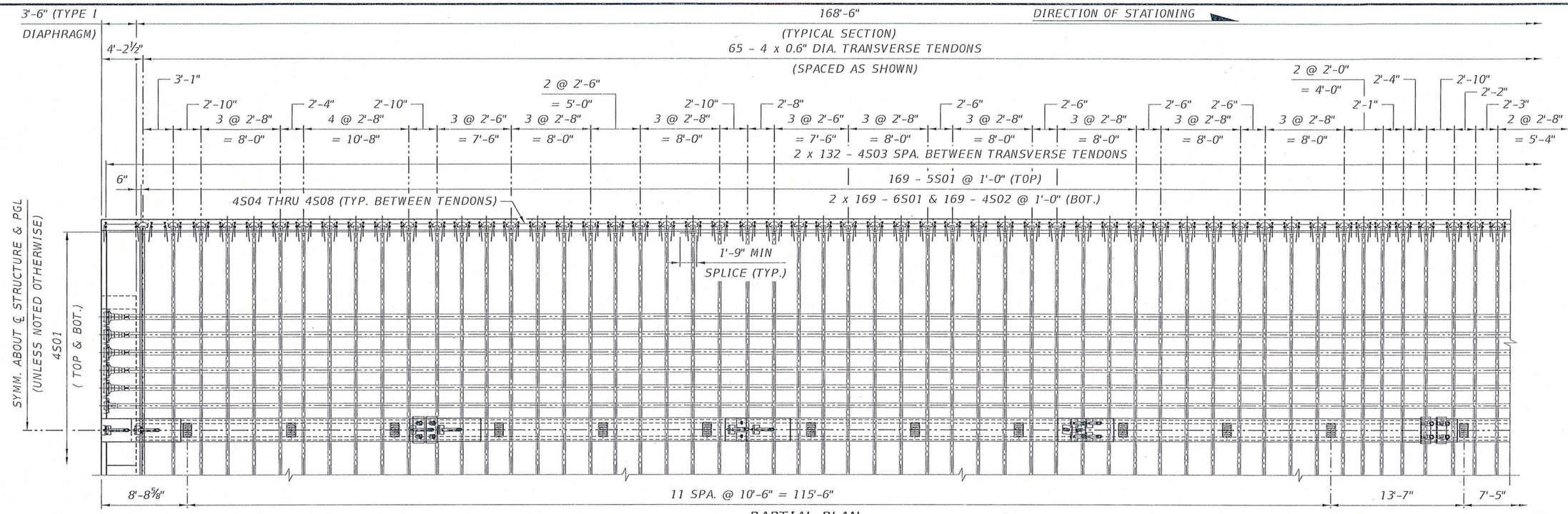
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY END DIAPHRAGM REINFORCEMENT - TYPE IV

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-59

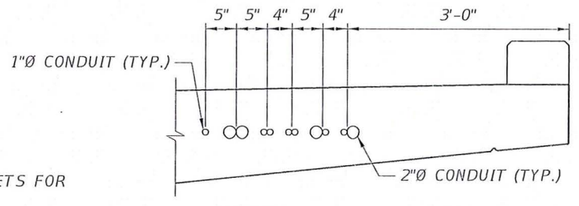

Plotted By: lcavanaugh 4/7/2017 1:14:47 PM G:\43468815801\struct\B1_Type4-Canopy-Diaphragm_Reinf.dgn



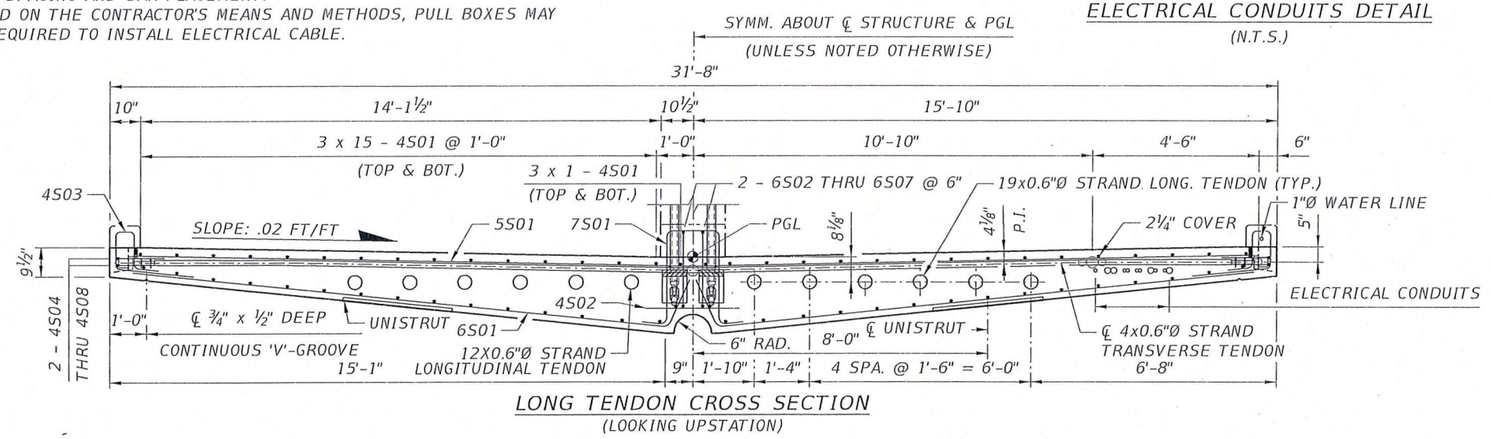

## PARTIAL PLAN
(DISTORTED VERTICAL SCALE)

NOTES:

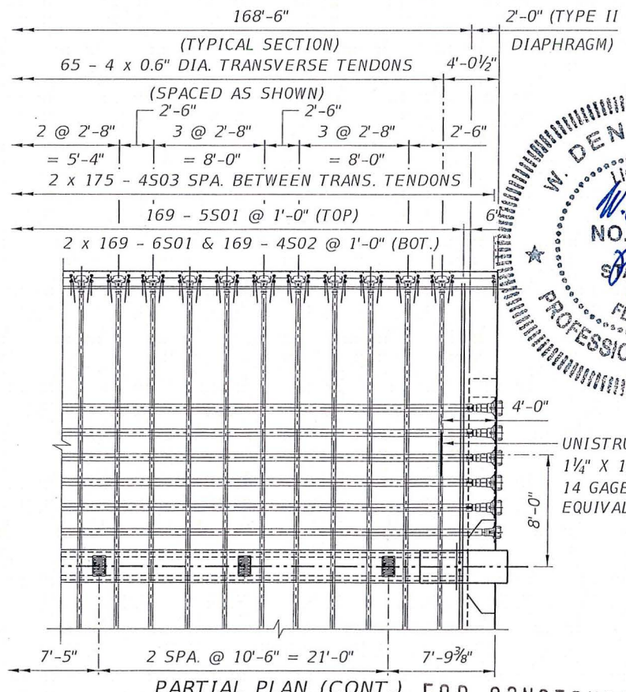
1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
2. FOR TYPE I DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR TYPE II DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
8. SUPPORT TO REMAIN WITHIN LIMITS OF DIAPHRAGM DURING SPMT TRANSPORT.
9. MAIN SPAN ELEMENT TO REMAIN VERTICAL DURING SPMT TRANSPORT.
10. THE UNISTRUT SHALL BE PROJECTED ¼" FROM FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 3'-0".
11. PLACE TWO (2) ADDITIONAL 4S03 BARS PER FENCE POST. SEE MISSILE GUARD AND RAILING DETAILS SHEETS FOR POST SPACING AND BAR PLACEMENT.
12. BASED ON THE CONTRACTOR'S MEANS AND METHODS, PULL BOXES MAY BE REQUIRED TO INSTALL ELECTRICAL CABLE.




## ELECTRICAL CONDUITS DETAIL
(N.T.S.)




## LONG TENDON CROSS SECTION
(LOOKING UPSTATION)




## PARTIAL PLAN (CONT.)
(DISTORTED VERTICAL SCALE)

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

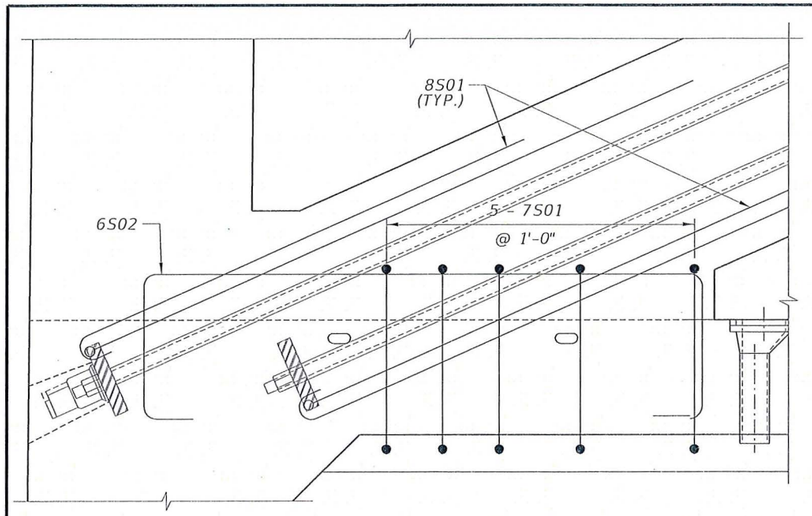
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK REINFORCEMENT & P.T.- MAIN SPAN (1 OF 2)

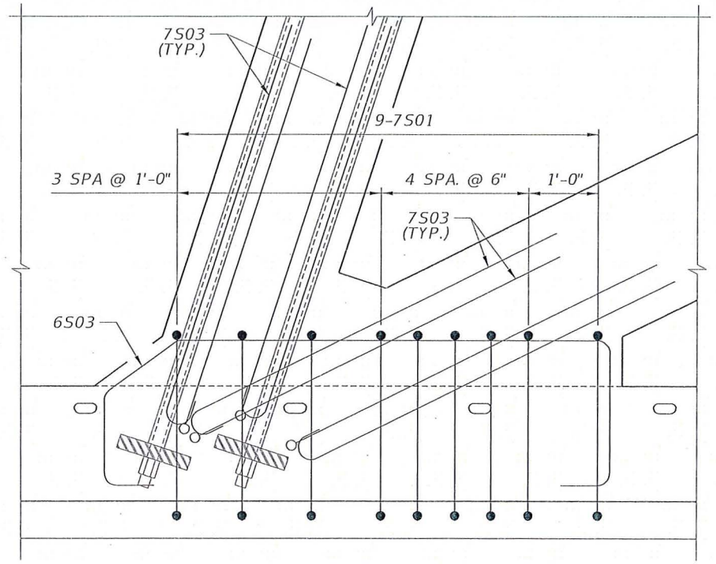
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-60

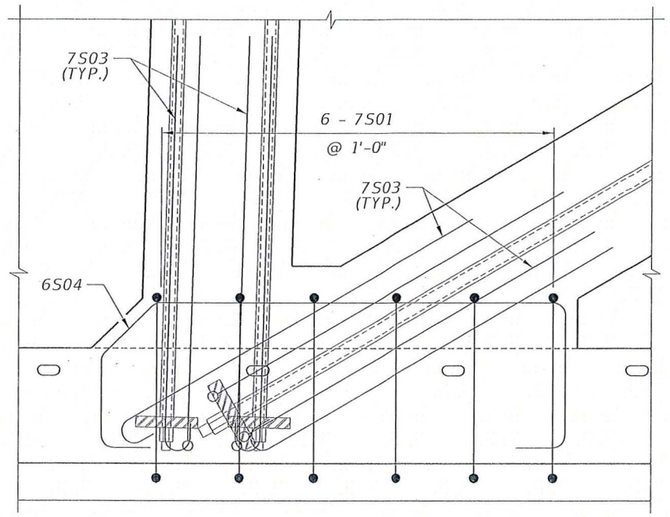
Plotted By: lcavanaugh 4/7/2017 1:14:49 PM G:\43468815801\struct\B1_60_MS_Deck_Reinf&PT_01.DGN



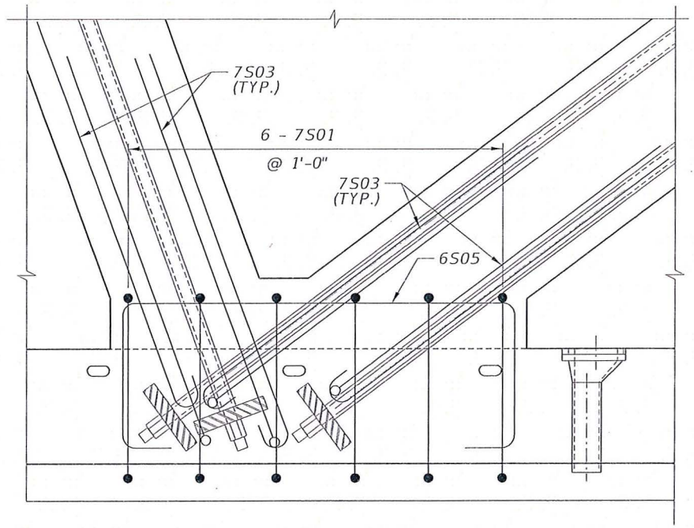

TRUSS MEMBERS 1 & 2
CONNECTION DETAIL



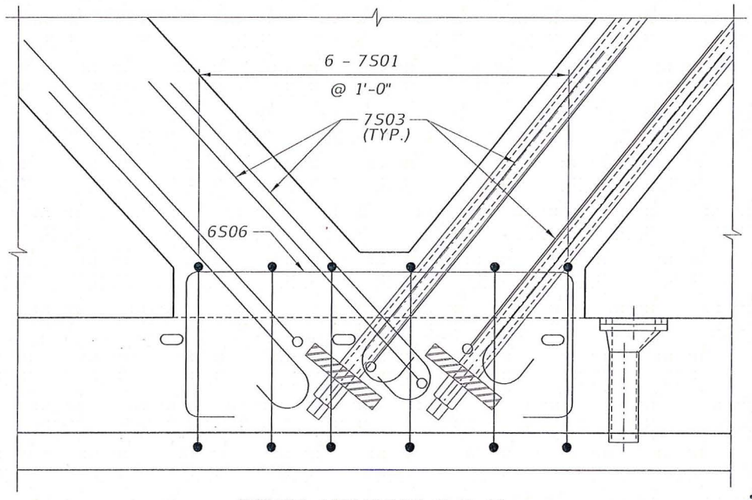

TRUSS MEMBERS 3 & 4
CONNECTION DETAIL



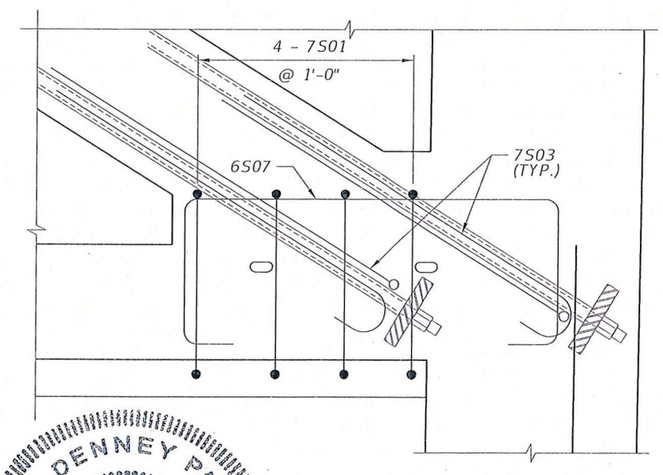

TRUSS MEMBERS 5 & 6
CONNECTION DETAIL




TRUSS MEMBERS 7 & 8
CONNECTION DETAIL




TRUSS MEMBERS 9 & 10
CONNECTION DETAIL




TRUSS MEMBERS 11 & 12
CONNECTION DETAIL

NOTES:

1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM P.T.BAR DETAILS DRAWING.
2. FOR TYPE I DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR TYPE II DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMEMT DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST SHEETS.

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Date 4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | EDL | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

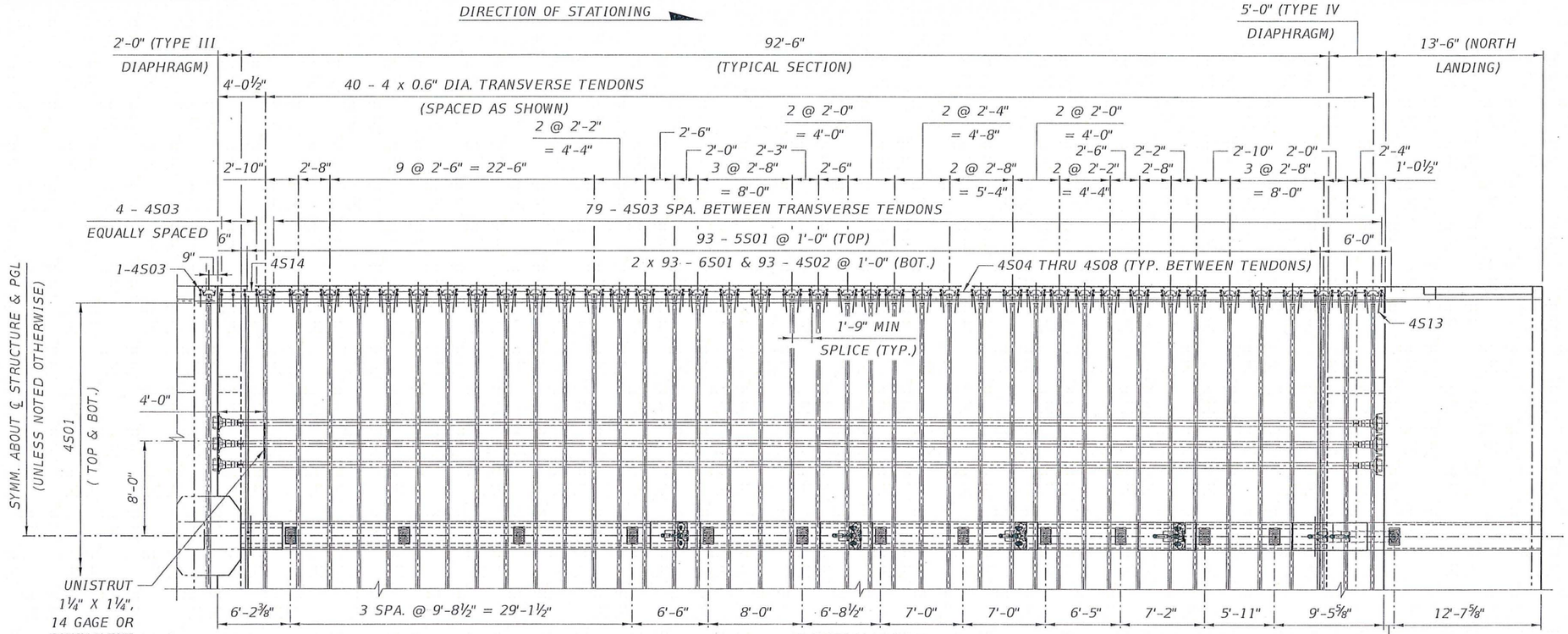
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK REINFORCEMENT & P.T. - MAIN SPAN (2 OF 2)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-61

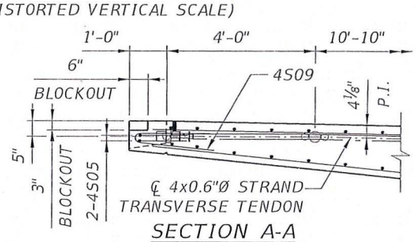

Plotted By: lcavanaugh 4/7/2017 1:14:50 PM G:\43468815801\struct\B1_61_MS_Deck_Reinf&PT_02.DGN



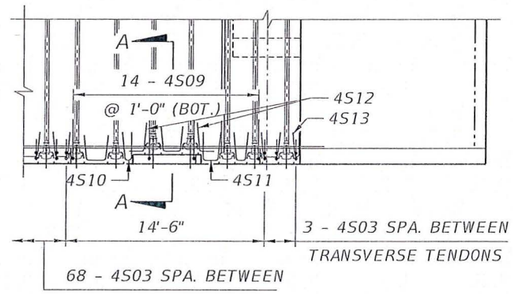

PARTIAL PLAN
(DISTORTED VERTICAL SCALE)

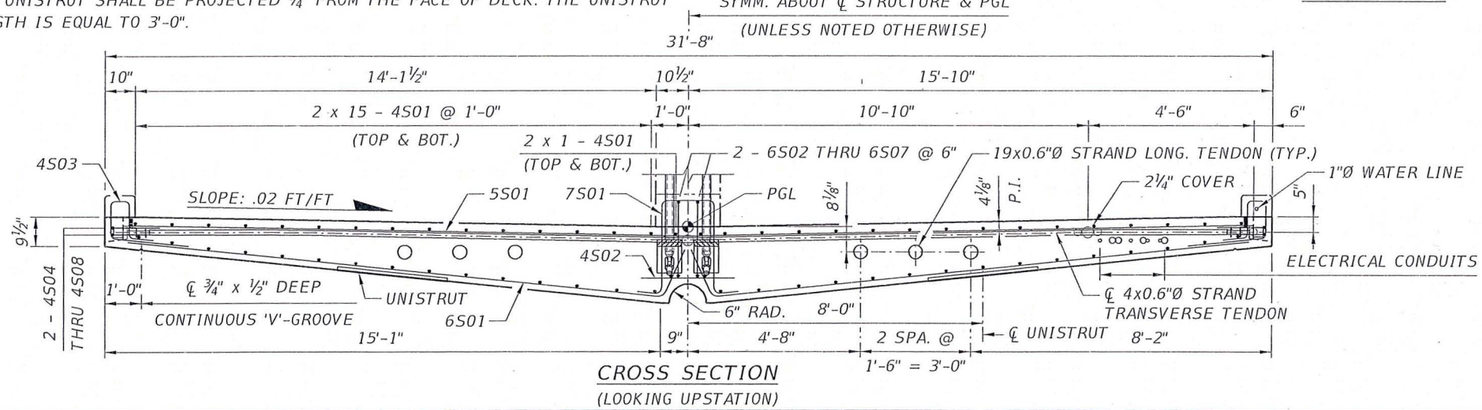
NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR TYPE III DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR TYPE IV DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE BACK SPAN TRUSS SYSTEM DETAIL DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWING.
8. FOR NORTH LANDING POST-TENSIONING AND REINFORCEMENT DETAILS, SEE DECK TRANSVERSE REINFORCEMENT & POST-TENSIONING - NORTH LANDING DRAWING.
9. THE UNISTRUT SHALL BE PROJECTED ¼" FROM THE FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 3'-0".
10. PLACE TWO (2) ADDITIONAL 4S03 BARS PER FENCE POST. SEE MISSILE GUARD AND RAILING DETAILS SHEETS FOR POST SPACING AND BAR PLACEMENT.
11. BASED ON THE CONTRACTOR'S MEANS AND METHODS, PULL BOXES MAY BE REQUIRED TO INSTALL ELECTRICAL CABLE.



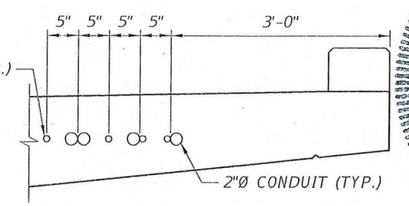

SECTION A-A




CROSS SECTION
(LOOKING UPSTATION)

PARTIAL PLAN
(RIGHT WING)




ELECTRICAL CONDUITS DETAIL
(N.T.S.)

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


DRAWN BY: DCB
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

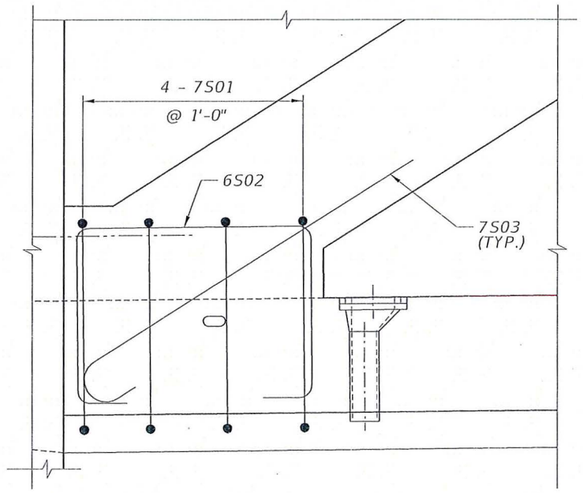
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DECK REINFORCEMENT & P.T. - BACK SPAN (1 OF 2)

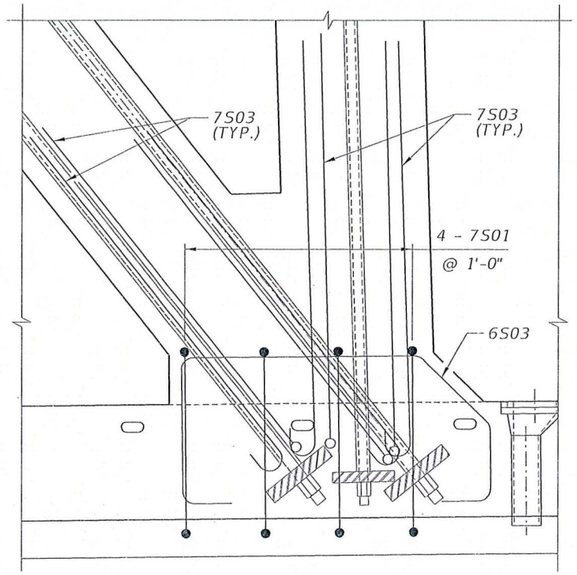
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-62

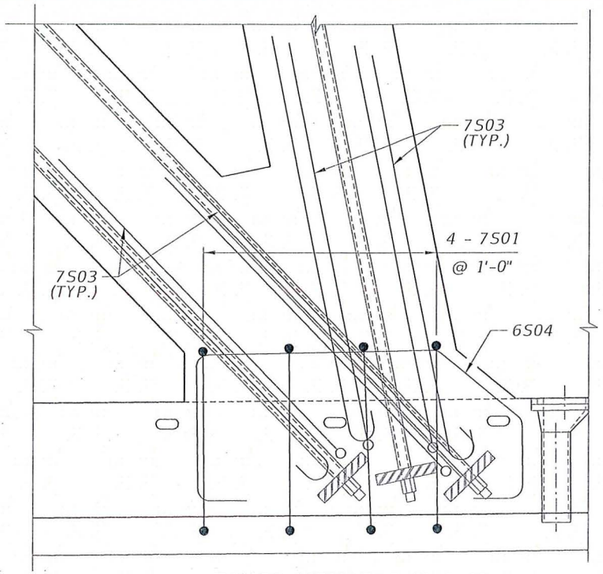

Plotted By: lcavanaugh 4/7/2017 1:14:50 PM G:\4346881580l\struct\B1_62_BS_Deck_Reinf&PT_01.DGN



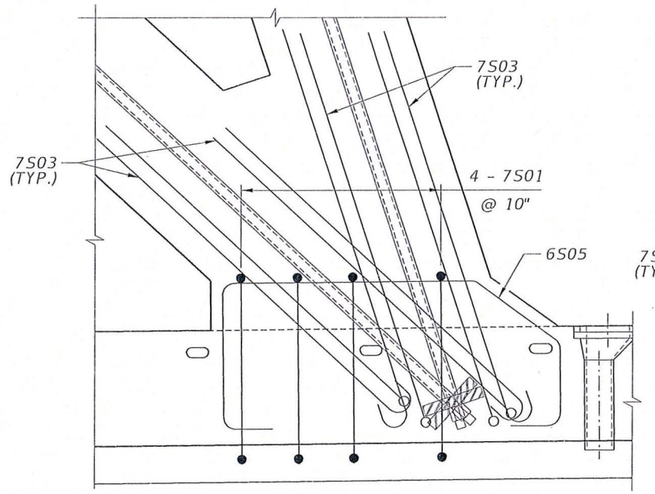

TRUSS MEMBERS 13 & 14
CONNECTION DETAIL



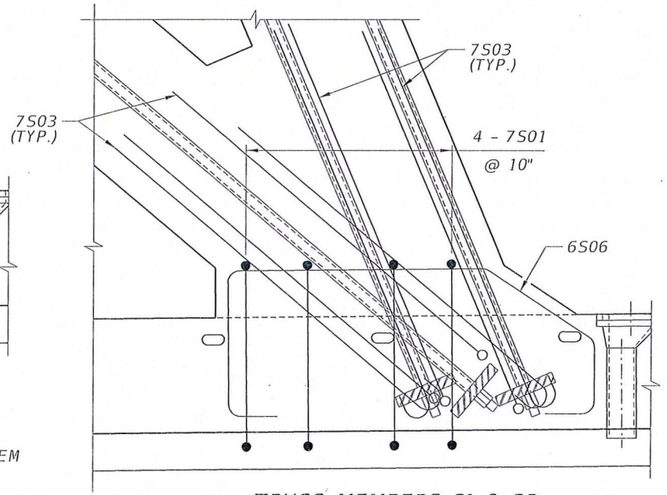

TRUSS MEMBERS 15 & 16
CONNECTION DETAIL



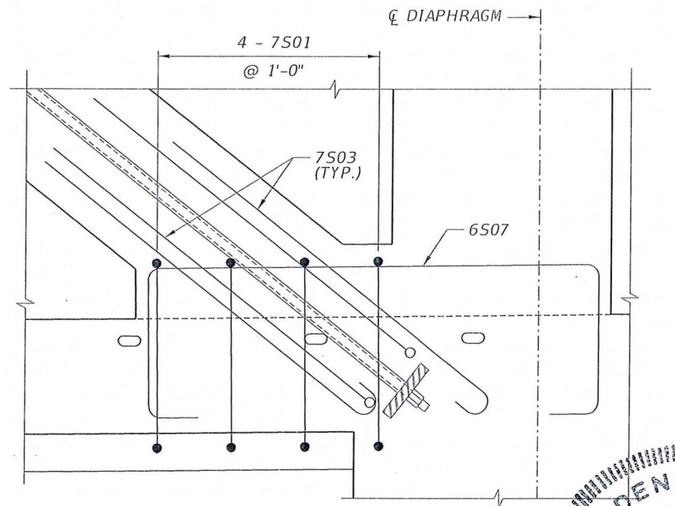

TRUSS MEMBERS 17 & 18
CONNECTION DETAIL




TRUSS MEMBERS 19 & 20
CONNECTION DETAIL




TRUSS MEMBERS 21 & 22
CONNECTION DETAIL




TRUSS MEMBERS 23 & 24
CONNECTION DETAIL

NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
2. FOR TYPE III DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR TYPE IV DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE BACK SPAN TRUSS SYSTEM REINFORCEMENT DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST.

FOR CONSTRUCTION

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

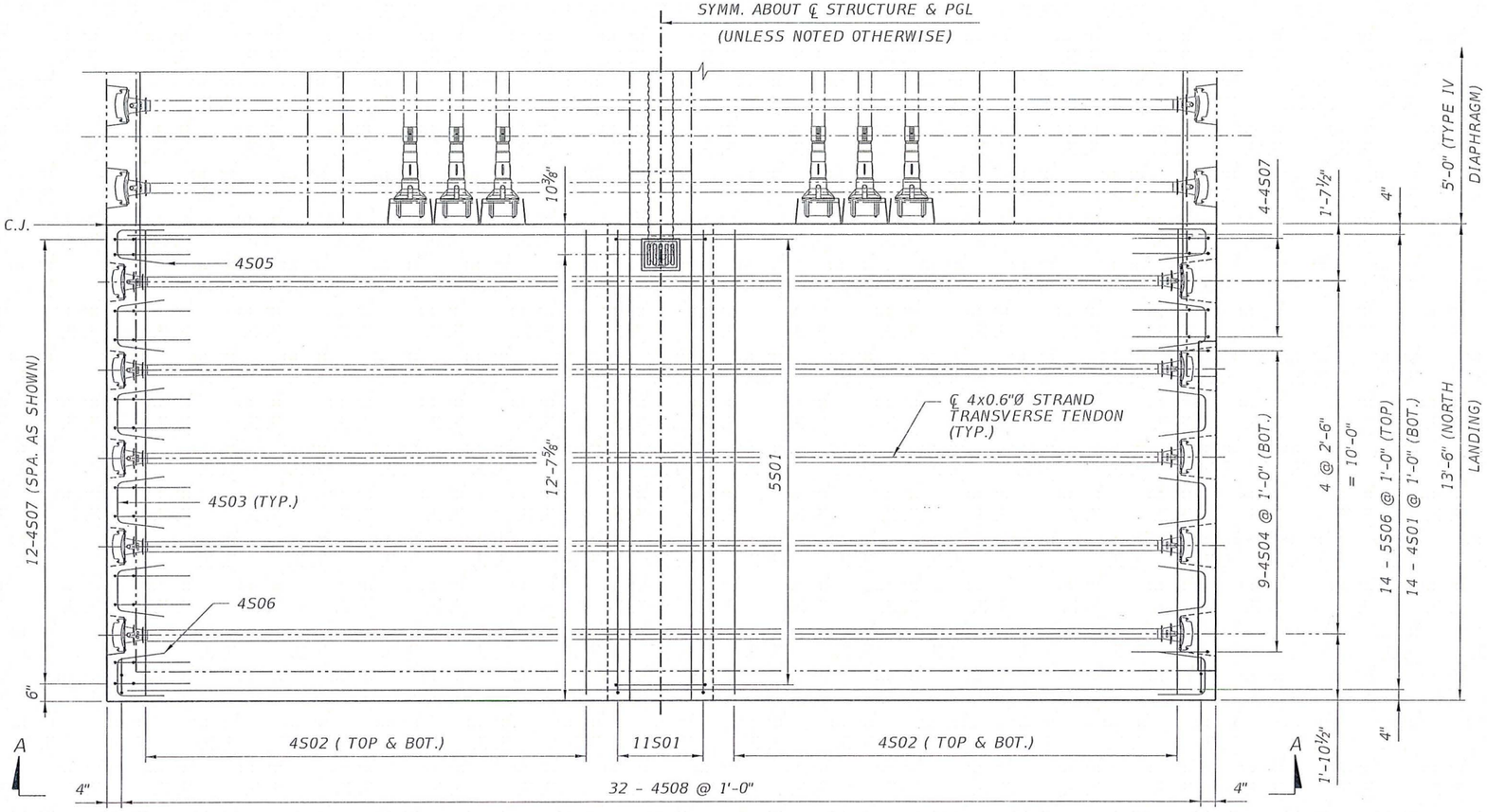
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

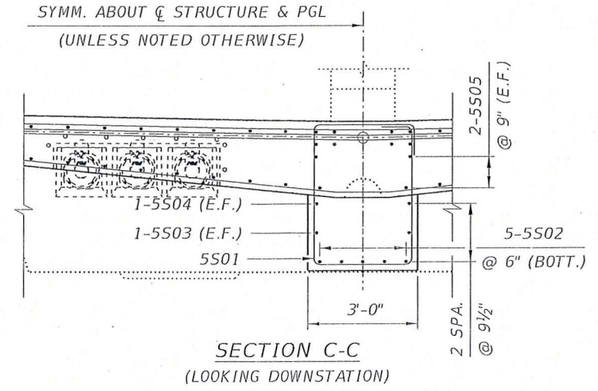
SHEET TITLE: DECK REINFORCEMENT & P.T. - BACK SPAN (2 OF 2)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-63

Plotted By: lcavanaugh 4/7/2017 1:14:51 PM G:\4346881580l\struct\B1_63_BS_Deck_Reinf&PT_02.DGN

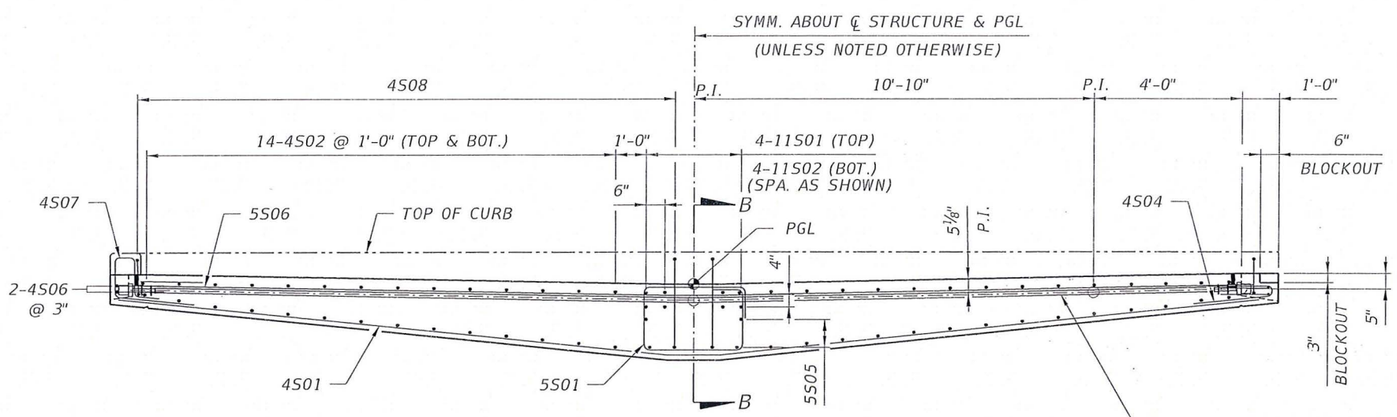


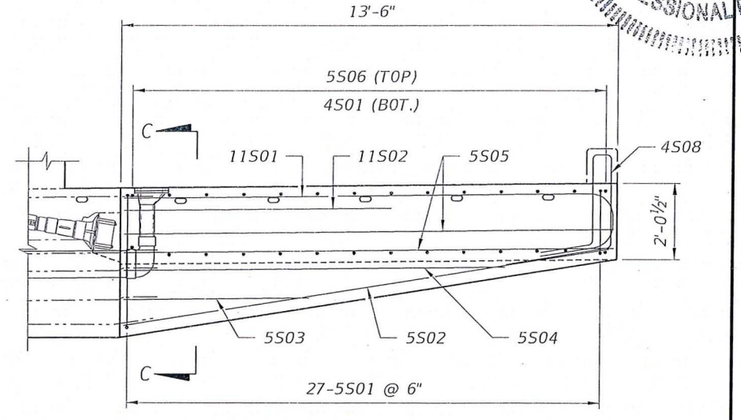

SECTION C-C
(LOOKING DOWNSTATION)

NOTES:

1. PLACE TWO ADDITIONAL 4S07/4S08 BARS PER FENCE POST. SEE MISSILE GUARD FENCE AND RAILING DETAIL SHEETS FOR POST SPACING AND BAR PLACEMENT.




VIEW A-A
(LOOKING DOWNSTATION)




SECTION B-B

FOR CONSTRUCTION

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | SJF |
| CHECKED BY: | EDL |
| DESIGNED BY: | EDL |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

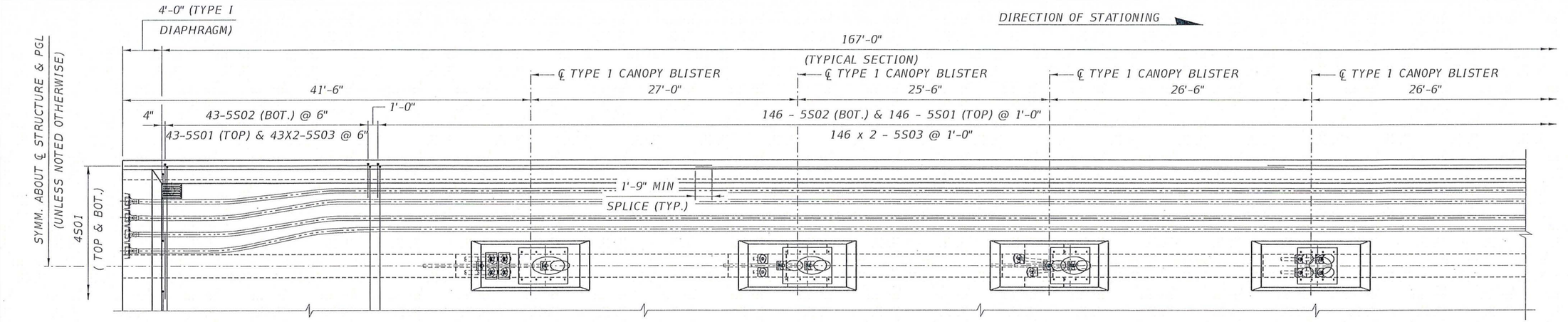
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

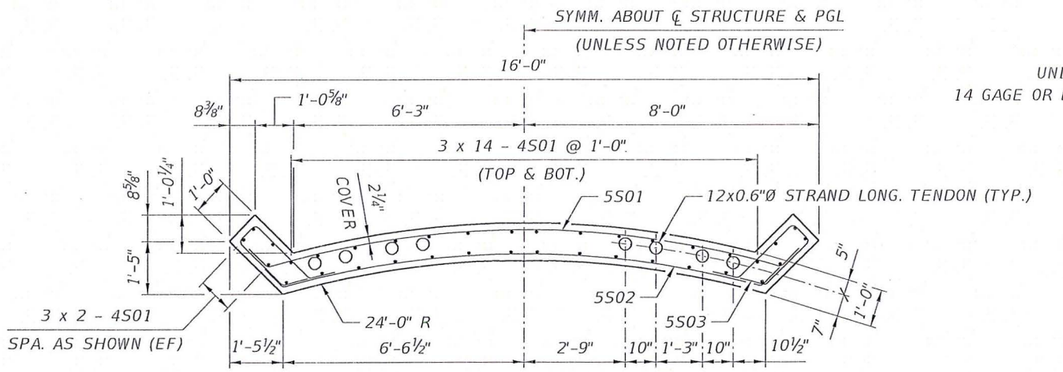
SHEET TITLE: DECK REINFORCEMENT & P.T. NORTH LANDING

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

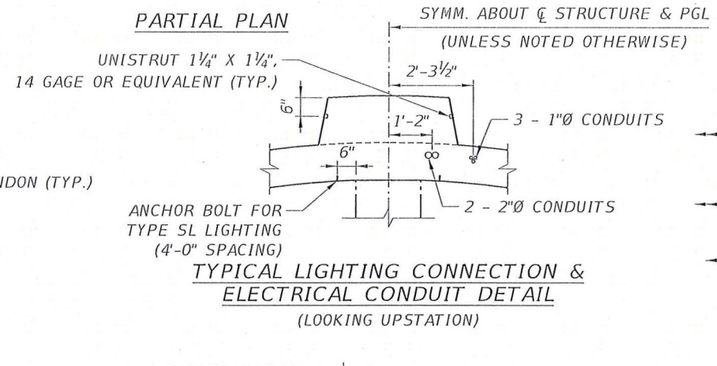
SHEET NO. B-64

Plotted By: lcavanaugh 4/7/2017 1:14:52 PM G:\43468815801\struct\B1_North_Landing_Deck_Reinforcement.DGN



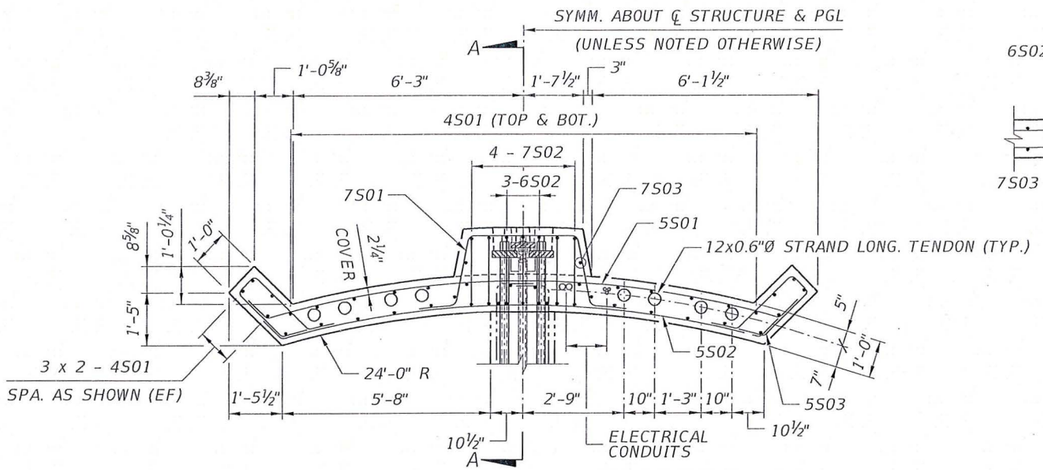




TYPICAL CROSS SECTION



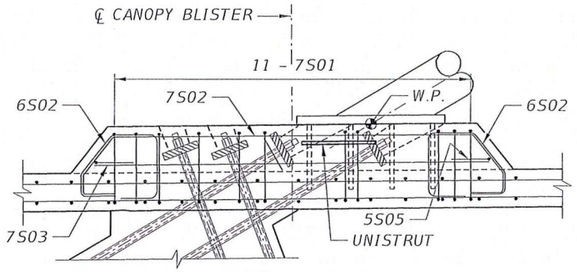

TYPICAL LIGHTING CONNECTION & ELECTRICAL CONDUIT DETAIL

(LOOKING UPSTATION)



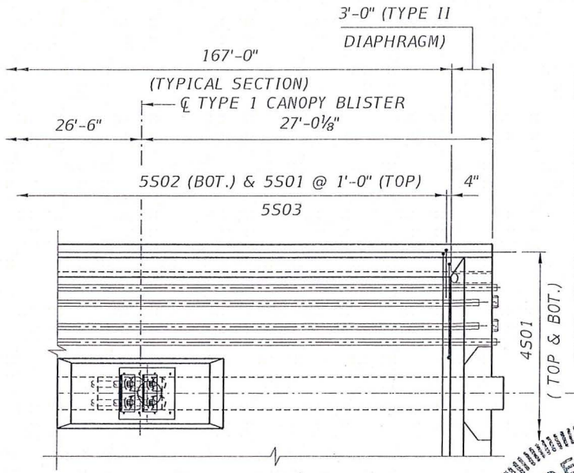

CROSS SECTION AT CANOPY BLISTERS

(LOOKING UPSTATION)




SECTION A-A

TYPE 1 CANOPY BLISTER




PARTIAL PLAN (CONT.)

(DISTORTED VERTICAL SCALE)

NOTES:

1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR TYPE I DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR TYPE II DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE MAIN SPAN TRUSS SYSTEM DETAIL DRAWING.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWING.
8. THE UNISTRUT SHALL BE PROJECTED ¼" FROM FACE OF BLISTER. THE UNISTRUT LENGTH IS EQUAL TO 2'-0".

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | EDL | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

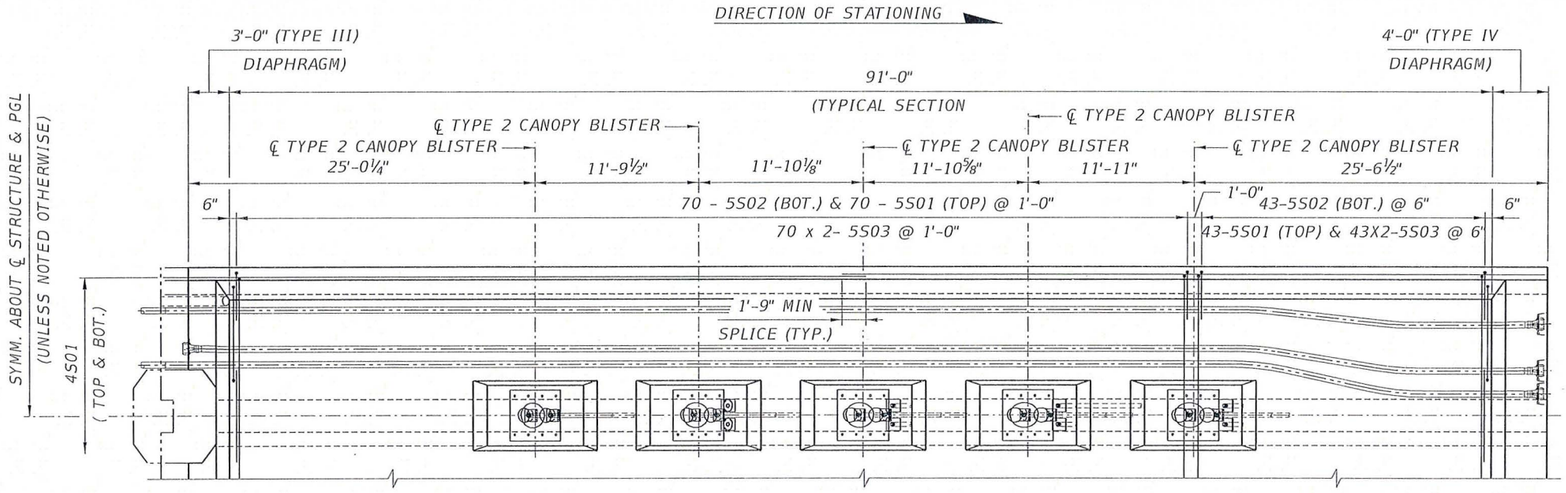
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CANOPY REINFORCEMENT & P.T. - MAIN SPAN

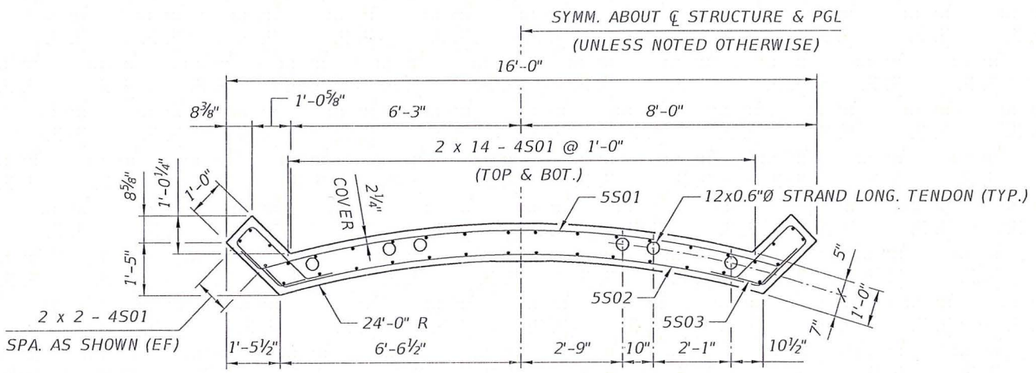
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-65

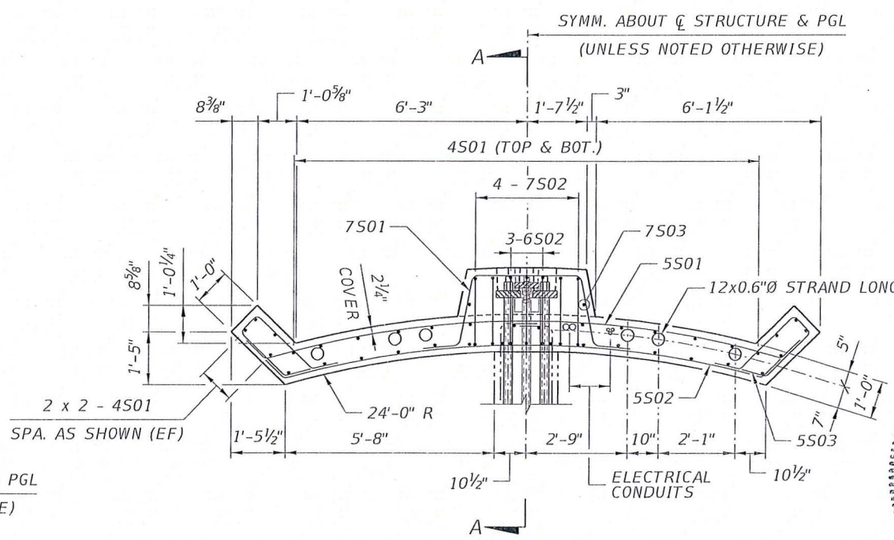

Plotted By: lcavanaugh 4/7/2017 1:14:52 PM G:\43468815801\struct\B1_65_MS_Canopy_Reinf&PT.DGN



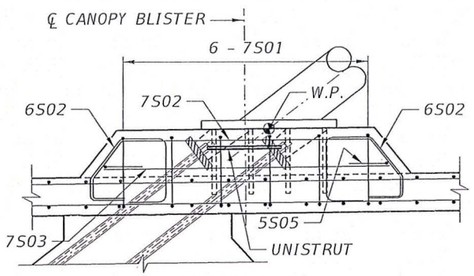

PARTIAL PLAN



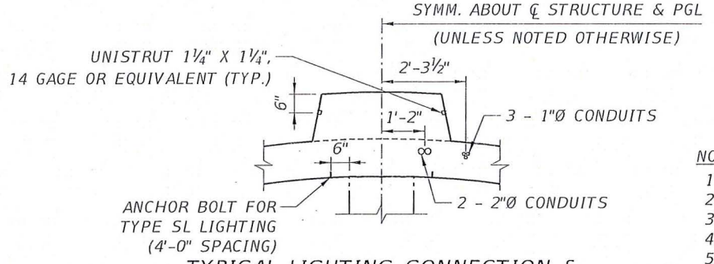

TYPICAL CROSS SECTION




CROSS SECTION AT CANOPY BLISTERS
(LOOKING UPSTATION)




SECTION A-A
TYPE 2 CANOPY BLISTER




TYPICAL LIGHTING CONNECTION & ELECTRICAL CONDUIT DETAIL
(LOOKING UPSTATION)

NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR TYPE III DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR TYPE IV DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE BACK SPAN TRUSS SYSTEM DETAIL DRAWING.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWING.
8. THE UNISTRUT SHALL BE PROJECTED ¼" FROM FACE OF BLISTER. THE UNISTRUT LENGTH IS EQUAL TO 2'-0".

FOR CONSTRUCTION

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
W. Denney Pate 4/7/17

| REVISIONS | | | | | |
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| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
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ENGINEER OF RECORD:
FIGG
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FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | EDL | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

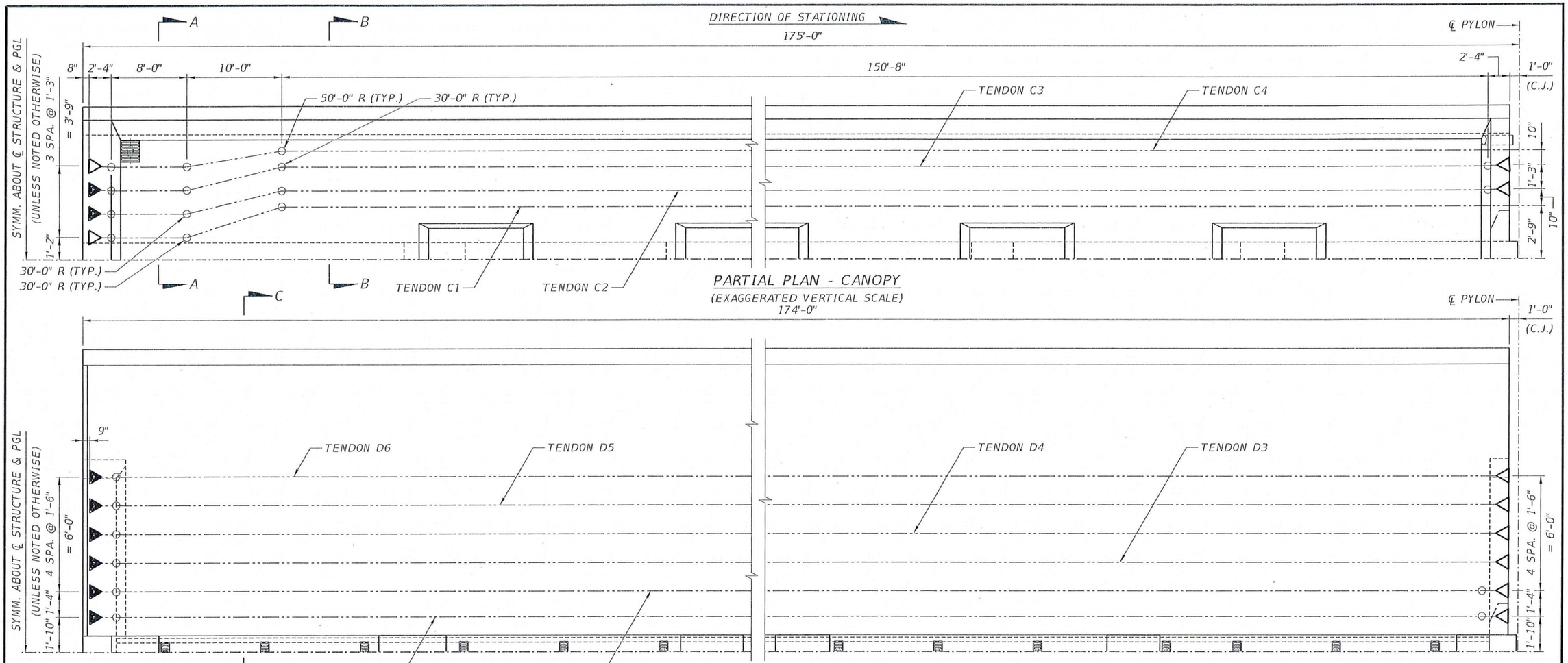
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

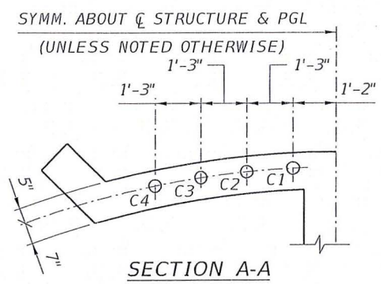
SHEET TITLE: CANOPY REINFORCEMENT & P.T. - BACK SPAN

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

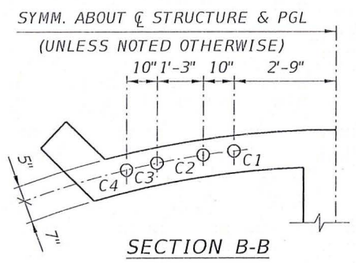
SHEET NO. B-66


Plotted By: lcavanaugh 4/7/2017 1:14:55 PM G:\43468815801\struct\B1_66_BS_Canopy_Reinf&PT.DGN

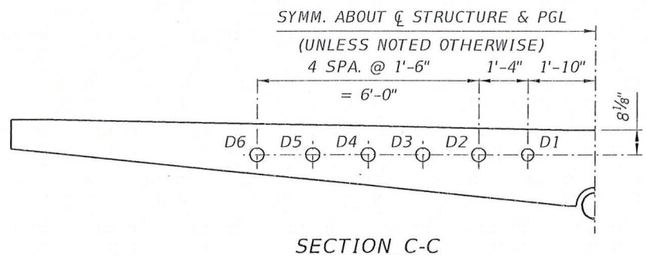


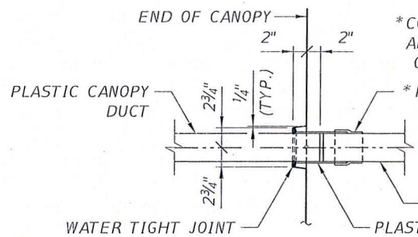

SECTION A-A




SECTION B-B




SECTION C-C




CANOPY TENDON CONNECTION DETAIL

(TYPICAL TENDONS C1 AND C4)

LEGEND:

- ▶— REPRESENTS STRESSING END ANCHOR.
- ▷— REPRESENTS NON-STRESSING END ANCHOR.

NOTES:

1. TENDONS D2 THRU D6 ARE 19x0.6"ø STRAND TENDONS.
2. TENDONS D1 AND C1 THRU C4 ARE 12x0.6"ø STRAND TENDONS.
3. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE I, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE I DRAWING.
4. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE II, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE II DRAWING.
5. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE I, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE I DRAWING.
6. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE II, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE II DRAWING.

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | EDL | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

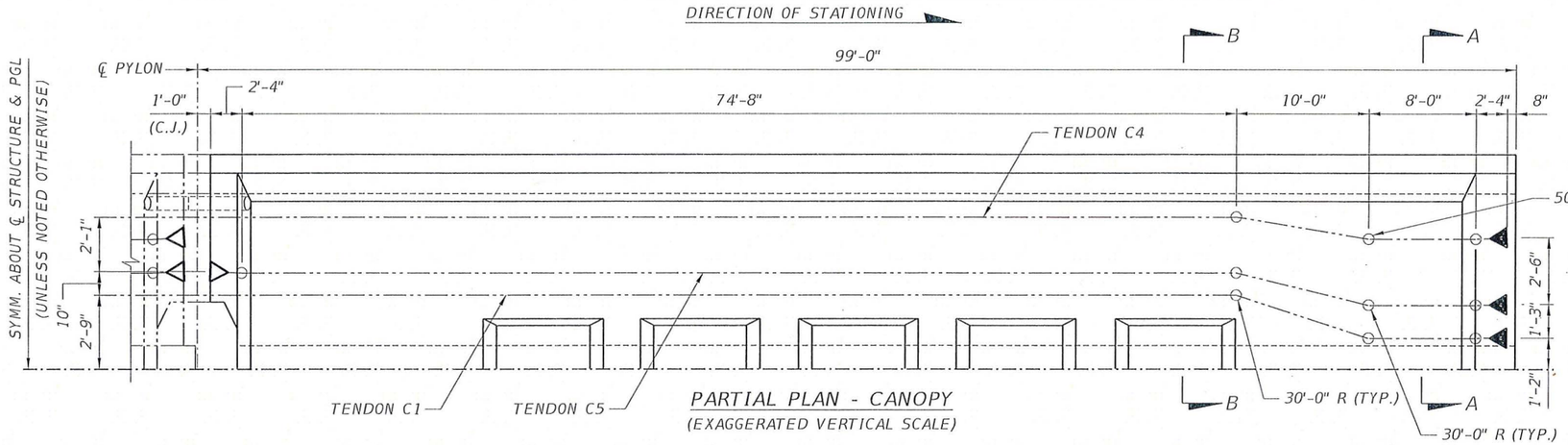
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

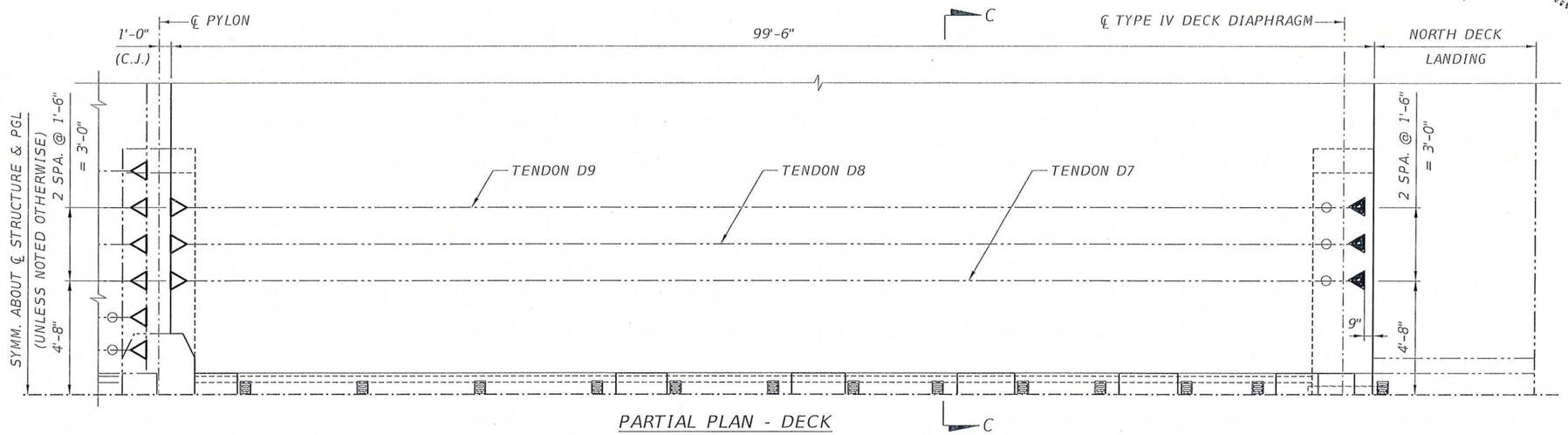
SHEET TITLE: LONGITUDINAL P.T. DETAILS (1 OF 2)

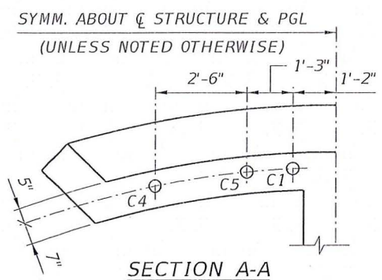
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

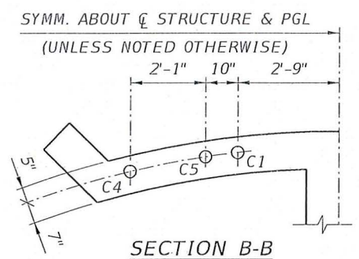
SHEET NO. B-67

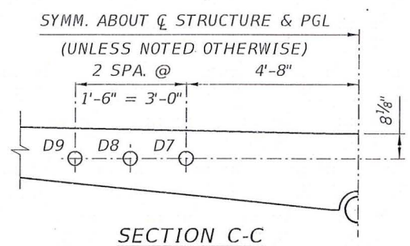
Plotted By: lcavanaugh 4/7/2017 1:14:58 PM G:\43468815801\struct\B1_67_Longitudinal_PT_Details_1.dgn




LEGEND:

- REPRESENTS STRESSING END ANCHOR.
- REPRESENTS NON-STRESSING END ANCHOR.

NOTES:

1. TENDONS D7 THRU D9 ARE 19x0.6"ø STRAND TENDONS.
2. TENDON C5 IS 12x0.6"ø STRAND TENDON.
3. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE III, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE III DRAWING.
4. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE IV, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE IV DRAWING.
5. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE III, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE III DRAWING.
6. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE IV, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE IV DRAWING.



FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
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FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | DCB |
| CHECKED BY: | EDL |
| DESIGNED BY: | EDL |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: LONGITUDINAL P.T. DETAILS (2 OF 2)

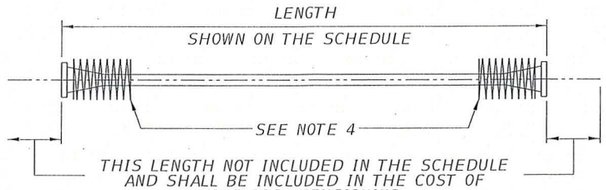
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

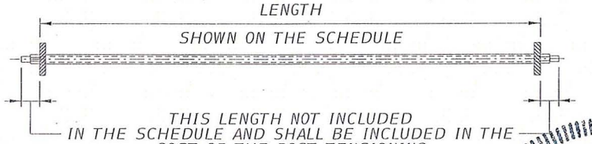
SHEET NO. B-68

Plotted By: lcavanaugh 4/7/2017 1:15:01 PM G:\43468815801\struct\B1_68_Longitudinal_PT_Details_II.dgn

## P.T. BAR / STRESSING / GROUTING / ANCHOR PROTECTION SCHEDULE

| LOCATION | BAR DESIG. | NO. REQ. | BAR SIZE | BAR LENGTH (ft-in) | STRESSING FORCE / BAR (kips) | LIVE END FORCE AFTER ANCHOR SET (kips) | DEAD END FORCE AFTER ANCHOR SET (kips) | *** STRESSING END | ELONGATION (in) | * TENDON PROFILE | ** ANCHOR PROTECTION TYPE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | UP STA. | DOWN STA. |
| 2 | A | 1 | 1-1¾" | 42'-11" | 280 | 280 | 280 | UPSTATION | 1.66 | 12 | 9 | N/A |
| | B | 1 | 1-1¾" | 42'-9" | 280 | 280 | 280 | UPSTATION | 1.81 | 12 | 9 | N/A |
| 3 | A | 4 | 1-1¾" | 18'-1" | 280 | 280 | 280 | UPSTATION | 0.76 | 12 | 9 | N/A |
| 5 | A | 2 | 1-1⅜" | 17'-6" | 166 | 166 | 166 | UPSTATION | 0.74 | 12 | 9 | N/A |
| 6 | A | 2 | 1-1¾" | 34'-9¾" | 280 | 280 | 280 | UPSTATION | 1.47 | 12 | 9 | N/A |
| 7 | A | 1 | 1-1¾" | 18'-4" | 280 | 280 | 280 | UPSTATION | 0.77 | 12 | 9 | N/A |
| 8 | A | 4 | 1-1¾" | 29'-0¾" | 280 | 280 | 280 | UPSTATION | 1.22 | 12 | 9 | N/A |
| 10 | A | 4 | 1-2½" | 22'-0" | 389 | 389 | 389 | UPSTATION | 0.66 | 12 | 9 | N/A |
| 11 | A | 1 | 1-1¾" | 33'-0" | 280 | 280 | 280 | UPSTATION | 1.39 | 12 | 9 | N/A |
| | B | 1 | 1-1¾" | 33'-2¼" | 280 | 280 | 280 | UPSTATION | 1.40 | 12 | 9 | N/A |
| 15 | A | 4 | 1-1¾" | 21'-11¾" | 240 | 240 | 240 | UPSTATION | 0.79 | 12 | 9 | N/A |
| 16 | A | 1 | 1-1⅜" | 17'-6" | 142 | 142 | 142 | UPSTATION | 0.63 | 12 | 9 | N/A |
| 17 | A | 4 | 1-1⅜" | 24'-4" | 166 | 166 | 166 | UPSTATION | 1.02 | 12 | 9 | N/A |
| 18 | A | 1 | 1-1⅜" | 17'-9¾" | 119 | 119 | 119 | UPSTATION | 0.54 | 12 | 9 | N/A |
| 19 | A | 2 | 1-1⅜" | 25'-10½" | 166 | 166 | 166 | UPSTATION | 1.09 | 12 | 9 | N/A |
| 20 | A | 1 | 1-1⅜" | 18'-4½" | 142 | 142 | 142 | UPSTATION | 0.66 | 12 | 9 | N/A |
| 21 | A | 2 | 1-1⅜" | 27'-1¼" | 119 | 119 | 119 | UPSTATION | 0.82 | 12 | 9 | N/A |
| 22 | A | 2 | 1-1⅜" | 18'-11¼" | 166 | 166 | 166 | UPSTATION | 0.80 | 12 | 9 | N/A |
| 23 | A | 2 | 1-1⅜" | 28'-1" | 119 | 119 | 119 | UPSTATION | 0.85 | 12 | 9 | N/A |




## LONGITUDINAL TENDON / STRESSING / GROUTING / ANCHOR PROTECTION SCHEDULE

| LOCATION | TENDON DESIG. | NO. REQ. | TENDON SIZE | TENDON LENGTH (ft-in) | STRESSING FORCE / TENDON (kips) | LIVE END FORCE AFTER ANCHOR SET (kips) | DEAD END FORCE AFTER ANCHOR SET (kips) | *** STRESSING END | ELONGATION (in) | | * TENDON PROFILE | ** ANCHOR PROTECTION TYPE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | BEFORE ANCHOR SET | AFTER ANCHOR SET | | UP STA. | DOWN STA. |
| MAIN SPAN DECK | D1 | 2 | 12 X 0.6" | 173'-4¼" | 527 | 471 | 489 | DOWNSTATION | 14.23 | 13.86 | 12 | 2 | 1 |
| | D2 | 2 | 19 X 0.6" | 173'-4¼" | 835 | 745 | 775 | DOWNSTATION | 14.23 | 13.86 | 12 | 2 | 1 |
| | D3 | 2 | 19 X 0.6" | 173'-4¼" | 835 | 745 | 775 | DOWNSTATION | 14.23 | 13.86 | 12 | 2 | 1 |
| | D4 | 2 | 19 X 0.6" | 173'-4¼" | 835 | 745 | 775 | DOWNSTATION | 14.23 | 13.86 | 12 | 2 | 1 |
| | D5 | 2 | 19 X 0.6" | 173'-4¼" | 835 | 745 | 775 | DOWNSTATION | 14.23 | 13.86 | 12 | 2 | 1 |
| | D6 | 2 | 19 X 0.6" | 173'-4¼" | 835 | 745 | 775 | DOWNSTATION | 14.23 | 13.86 | 12 | 2 | 1 |
| BACK SPAN DECK | D7 | 2 | 19 X 0.6" | 98'-10¾" | 828 | 712 | 768 | UPSTATION | 8.00 | 7.62 | 12 | 2 | 2 |
| | D8 | 2 | 19 X 0.6" | 98'-10¾" | 828 | 712 | 768 | UPSTATION | 8.00 | 7.62 | 12 | 2 | 2 |
| | D9 | 2 | 19 X 0.6" | 98'-10¾" | 828 | 712 | 768 | UPSTATION | 8.00 | 7.62 | 12 | 2 | 2 |
| MAIN SPAN CANOPY | C2 | 2 | 12 X 0.6" | 173'-5¼" | 531 | 426 | 459 | DOWNSTATION | 13.63 | 13.26 | 12 | 2 | 1 |
| | C3 | 2 | 12 X 0.6" | 173'-5¼" | 534 | 429 | 463 | DOWNSTATION | 13.73 | 13.35 | 12 | 2 | 1 |
| BACK SPAN - CANOPY | C5 | 2 | 12 X 0.6" | 97'-5¼" | 519 | 417 | 459 | UPSTATION | 7.59 | 7.22 | 12 | 1 | 2 |
| MAIN SPAN & BACK SPAN CANOPY | C1 | 2 | 12 X 0.6" | 272'-11½" | 556 | 430 | 433 | UPSTATION | 21.74 | 21.36 | 12 | 1 | 1 |
| | C4 | 2 | 12 X 0.6" | 272'-9¼" | 556 | 463 | 465 | UPSTATION | 22.53 | 22.16 | 12 | 1 | 1 |

## TRANSVERSE TENDON / STRESSING / GROUTING / ANCHOR PROTECTION SCHEDULE

| LOCATION | TENDON DESIG. | NO. REQ. | TENDON SIZE | TENDON LENGTH (ft-in) | STRESSING FORCE / TENDON (kips) | LIVE END FORCE AFTER ANCHOR SET (kips) | DEAD END FORCE AFTER ANCHOR SET (kips) | *** STRESSING END | ELONGATION (in) | | * TENDON PROFILE | ** ANCHOR PROTECTION TYPE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | BEFORE ANCHOR SET | AFTER ANCHOR SET | | UP STA. | DOWN STA. |
| MAIN SPAN | - | 65 | 4X0.6" | 30'-8" | 187 | 157 | 162 | ALTERNATE | 2.76 | 2.39 | 12 | 7 | 7 |
| CLOSURE | - | 1 | 4X0.6" | 30'-8" | 187 | 157 | 162 | ALTERNATE | 2.76 | 2.39 | 12 | 7 | 7 |
| BACK SPAN | - | 40 | 4X0.6" | 30'-8" | 187 | 157 | 162 | ALTERNATE | 2.76 | 2.39 | 12 | 7 | 7 |
| NORTH LANDING | - | 5 | 4X0.6" | 30'-2" | 187 | 157 | 161 | ALTERNATE | 2.71 | 2.34 | 12 | 7 | 7 |

NOTES:

1. ALL LONGITUDINAL POST-TENSIONING TENDONS SHALL BE SINGLE END STRESSED FROM THE STRESSING END, AS DESIGNATED IN THE LONGITUDINAL POST-TENSIONING DETAILS DRAWINGS.
2. TABULATED LENGTHS ARE MEASURED FROM ANCHOR PLATE TO ANCHOR PLATE. ADDITIONAL STRAND BEYOND THE PLATES FOR JACKING AND THE WEIGHT OF ANY ANCHORAGE HARDWARE IS NOT INCLUDED.
3. FORCES, STRESSES, AND ELONGATIONS ARE BASED ON THE TENDON STRESSING ENDS AS SHOWN ON THE LONGITUDINAL PT LAYOUT SHEETS. IF THE STRESSING ENDS ARE DIFFERENT THAN SHOWN, THE FORCES, STRESSES, AND ELONGATION MUST BE ADJUSTED.
4. SPIRALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICTS WITH PT BARS, TRANSVERSE TENDONS AND MILD REINFORCEMENT NEAR THE ANCHOR FACE.

* SEE POST-TENSIONING VERTICAL PROFILES, INDEX NO. 21801.

** SEE POST-TENSIONING ANCHORAGE PROTECTION, INDEX NO. 21802.

*** FOR VERTICAL TENDONS AND BARS, UPSTATION DENOTES TOP ANCHOR, DOWNSTATION DENOTES BOTTOM ANCHOR.

W. DENNEY PATE LICENSE NO 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
Date 4/7/17

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
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W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

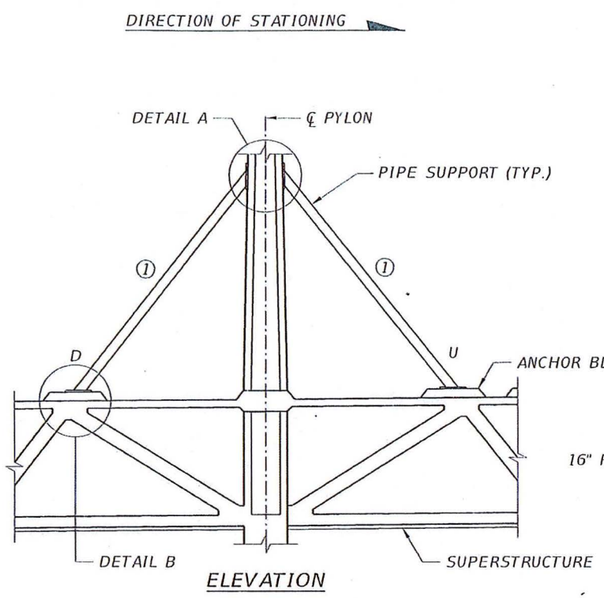
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: POST-TENSIONING SCHEDULE

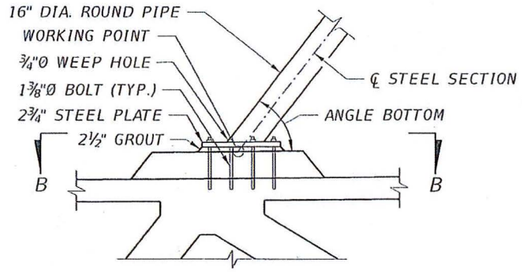
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-69

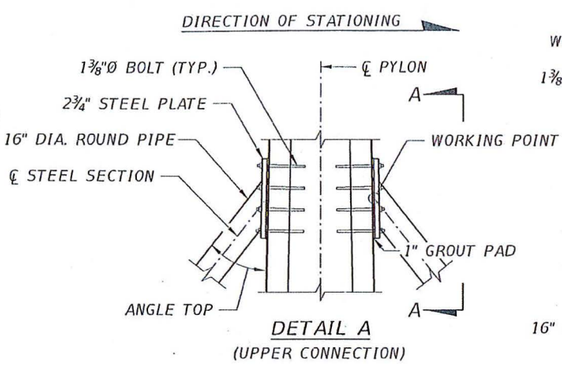
Plotted By: lcavanaugh 4/7/2017 1:15:03 PM G:\43468815801\struct\B1_69_Post-Tensioning_Schedule.dgn



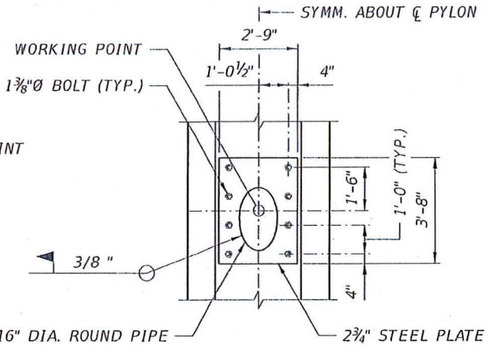

ELEVATION



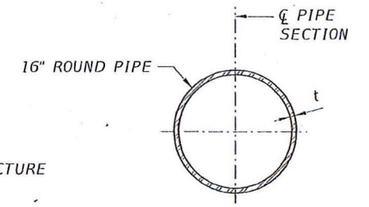

DETAIL B
(LOWER CONNECTION)



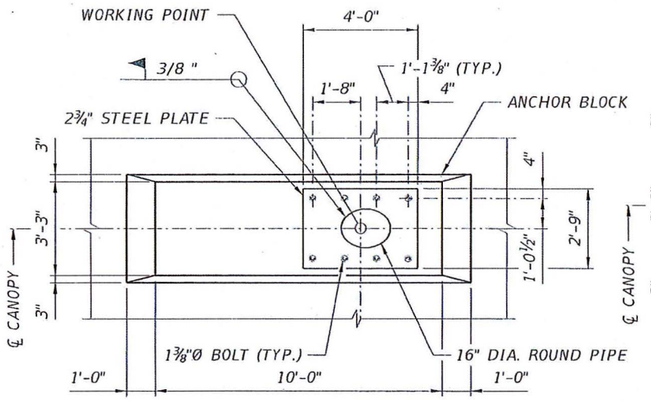

DETAIL A
(UPPER CONNECTION)



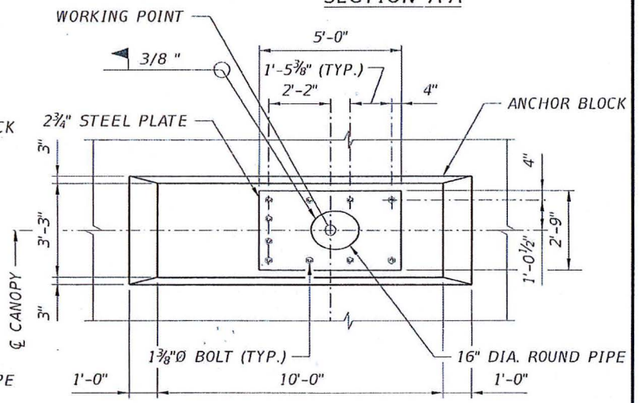

SECTION A-A



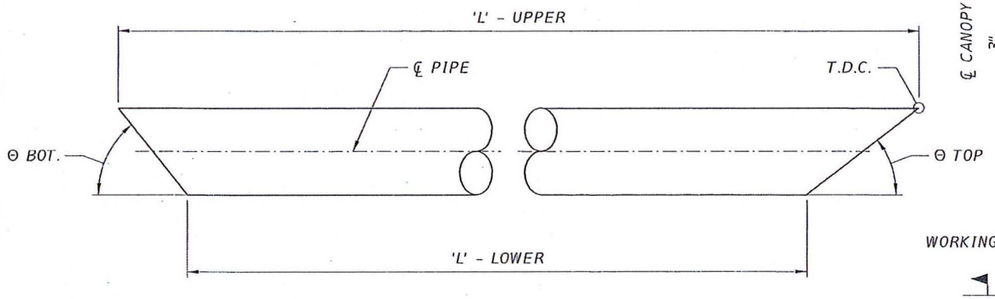

STEEL SECTION DETAIL



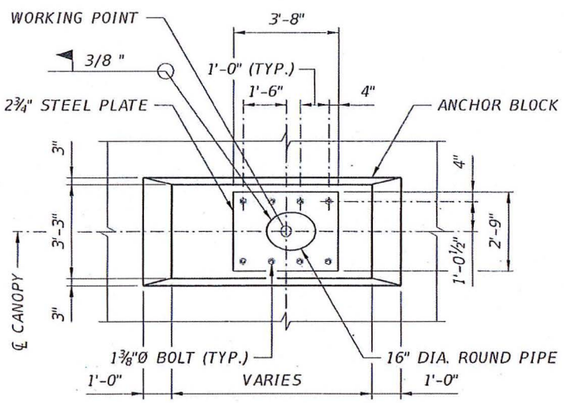

SECTION B-B
(PIPE 3D)




SECTION B-B
(PIPE 4D & 5D)




| PIPE SUPPORT GEOMETRY | | | | |
|---|---|---|---|---|
| PIPE | LENGTH - UPPER | LENGTH - LOWER | ANGLE TOP | ANGLE BOTT. |
| 1U | 38'-3¾" | 35'-11" | 37.55° | 51.92° |
| 2U | 51'-5⅜" | 49'-1⅜" | 43.08° | 46.39° |
| 3U | 64'-8⅞" | 62'-4¾" | 46.53° | 42.94° |
| 4U | 78'-1¾" | 75'-9⅜" | 48.88° | 40.59° |
| 5U | 89'-2¾" | 89'-2¾" | 50.58° | 38.89° |
| 1D | 38'-8¼" | 36'-3⅜" | 37.11° | 51.22° |
| 2D | 63'-3⅞" | 60'-10⅞" | 51.65° | 36.68° |
| 3D | 89'-6⅛" | 86'-10⅛" | 58.34° | 29.99° |
| 4D | 116'-4½" | 113'-5¾" | 62.08° | 26.25° |
| 5D | 143'-7⅛" | 140"-6" | 64.45° | 23.88° |




SECTION B-B

NOTES:

1. ALL PIPES SHALL BE ASTM A500 GRADE 46 STEEL OR CARBON STEEL PIPE ASTM A106 SEAMLESS GRADE 40, 16" DIAMETER WITH A .4" WALL THICKNESS.
2. STEEL PLATES ARE CENTERED ON EACH PLATE WORKING POINT.
3. GROUT SHALL BE PREPACKAGED NON-SHRINKAGE AND BE COMPOSED OF PORTLAND CEMENT AND SILICA SAND. MINIMUM COMPRESSIVE STRENGTH SHALL BE 8500 PSI.
4. USE TEMPLATE TO ENSURE BOLT POSITIONS/ALIGNMENT DURING CONCRETE PLACEMENT.
5. ANCHOR BOLTS FOR SUPPORT PIPE CONNECTIONS SHALL BE ASTM F1554 GRADE 105 WITH ASTM A563 HEAVY-HEX NUTS AND ASTM F436 PLATE WASHER. GALVANIZE NUTS, BOLTS AND WASHERS IN ACCORDANCE WITH ASTM F2329. LENGTH OF BOLT IS EQUAL TO 30".
6. PIPE SUPPORT STEEL PLATE SHALL BE GRADE 36.
7. DURING BEARING REPLACEMENT, UNBOLT THE BOTTOM STAY PIPE CONNECTION PRIOR TO JACKING THE SPAN.
8. T.D.C. - TOP DEAD CENTER REPRESENTS THE LONGEST LENGTH OF PIPE.
9. ALL PIPES SHALL BE COATED AND CONFORM TO FDOT STANDARD SPECIFICATIONS SECTION 975-2.3.1.
10. USE TEMPLATE TO ESURE BOLT POSITIONS/ALIGNMENT DURING CONCRETE PLACEMENT.

FOR CONSTRUCTION

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 6/6/17

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: LTC
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

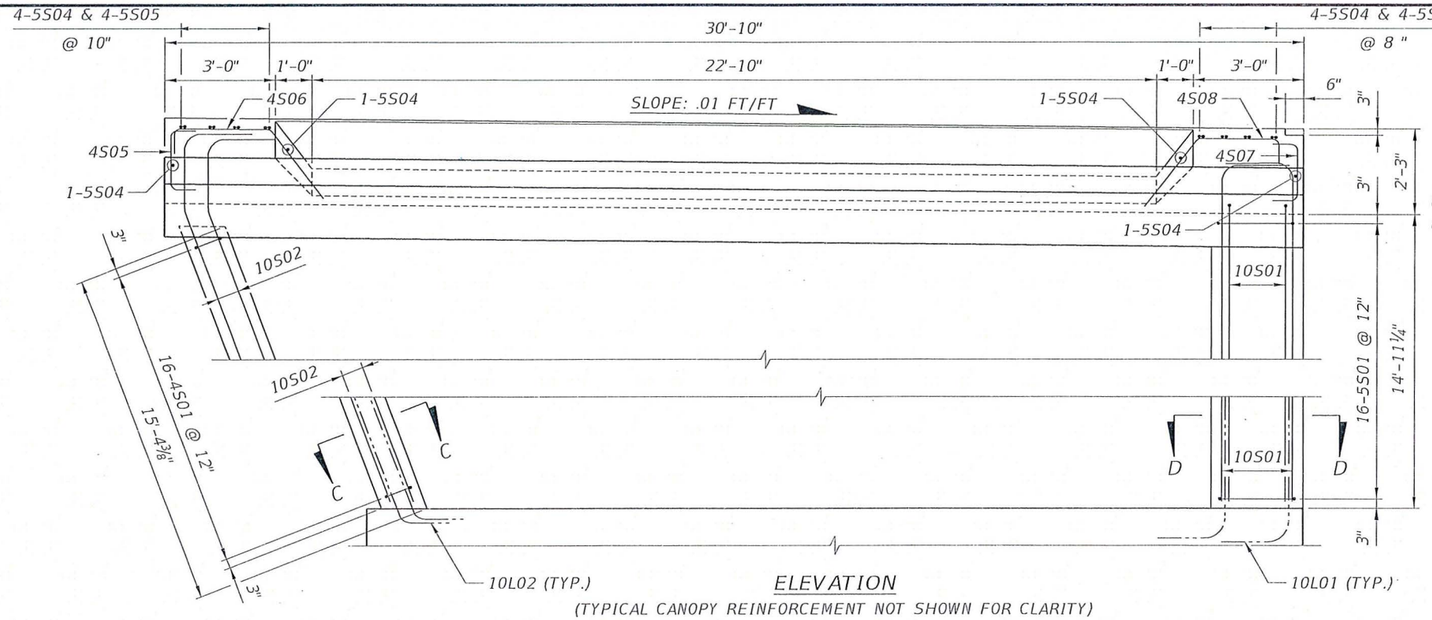
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: PIPE SUPPORT DETAILS

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

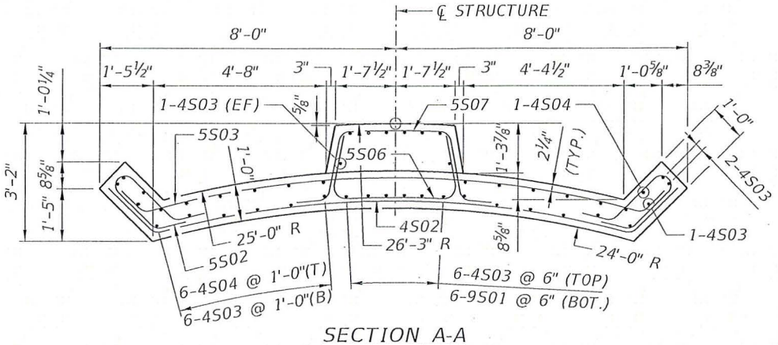
SHEET NO. B-70

Plotted By: ehango 6/6/2017 9:10:59 AM G:\434688158O1\struct\B1_Pipe_SupportDetails.dgn

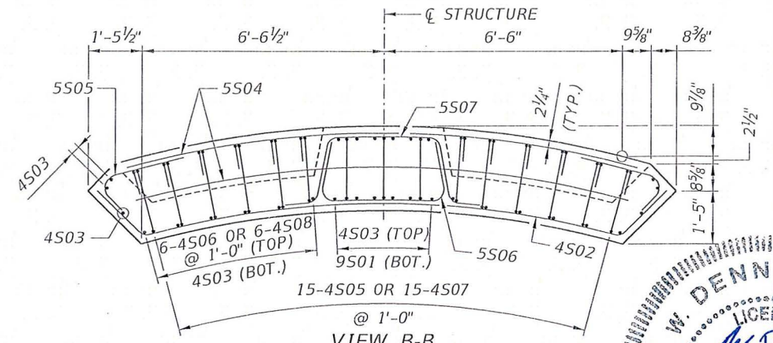



ELEVATION

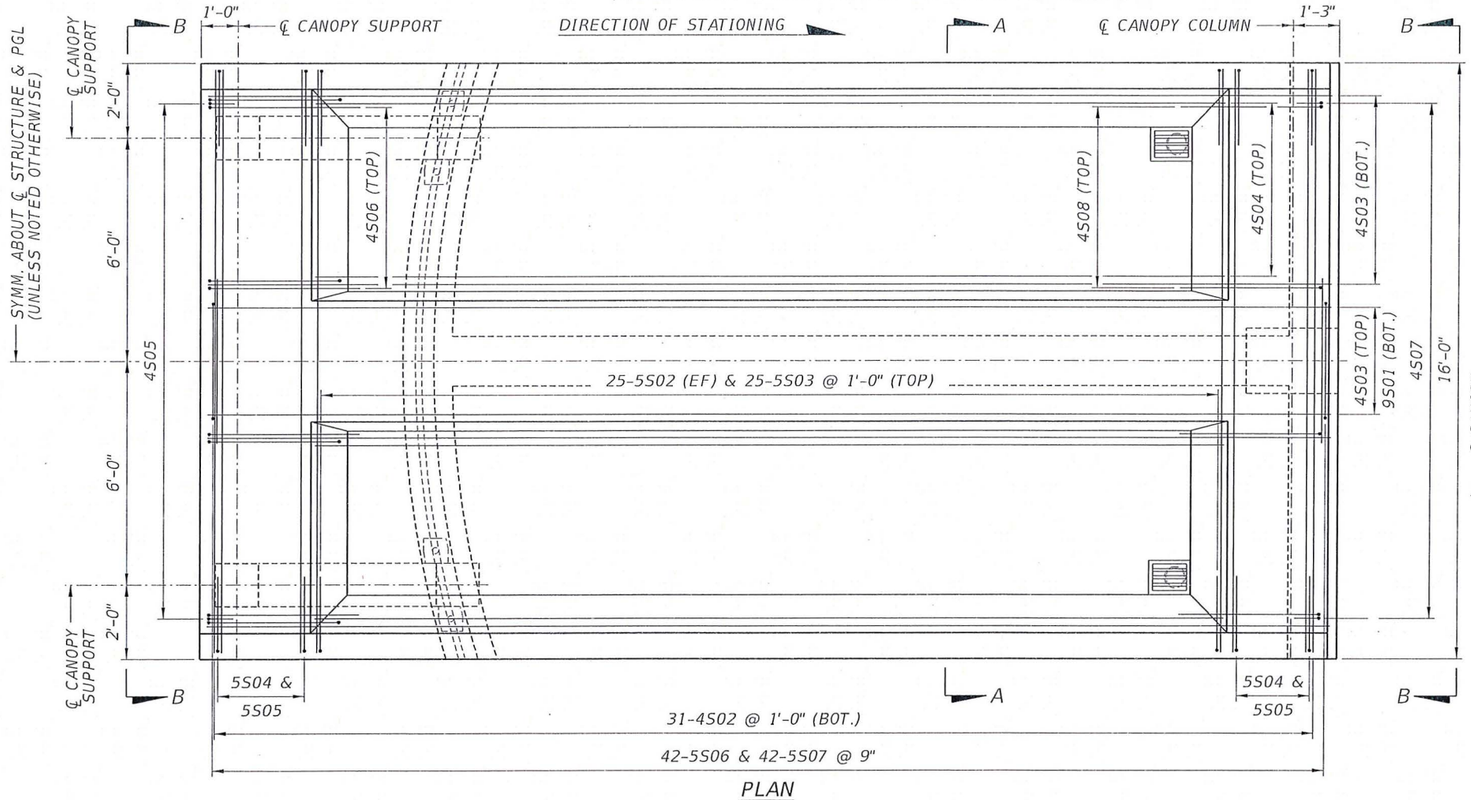
(TYPICAL CANOPY REINFORCEMENT NOT SHOWN FOR CLARITY)



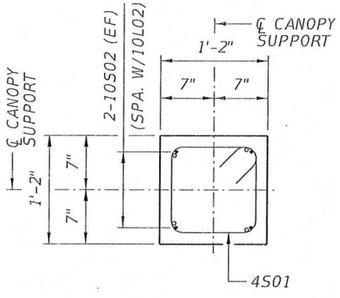

SECTION A-A



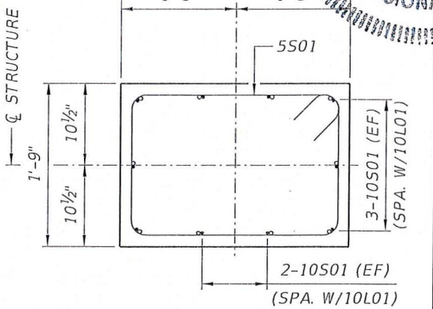

VIEW B-B




PLAN




SECTION C-C




SECTION D-D

FOR CONSTRUCTION

NOTES:

1. FOR EXPANSION JOINT DETAILS, SEE EXPANSION JOINT DETAILS DRAWING.
2. FOR DRAINAGE DETAILS, SEE DRAINAGE DETAILS DRAWING.
3. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
4. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
5. CONCRETE FINISH SHALL BE CLASS 3 SURFACE FINISH IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 400-15.2.4.

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER 4/7/17

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| KJM | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SOUTH LANDING CANOPY DIMENSIONS AND REINFORCEMENT

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-71


Plotted By: lcavanaugh 4/7/2017 1:15:12 PM G:\43468815801\struct\B1_SouthLanding_Canopy_Details.dgn

| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| LOCATION DECK - MAIN SPAN | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 178- 7 | 192 | 2 | | | 1- 9 | 175- 1 | | | | | | | 2 | |
| 4 | S02 | 3- 0 | 169 | 1 | | | 3- 0 | | | | | | | | | |
| 4 | S03 | 5- 0 | 264 | 51 | | | 1- 0 3/4 | 0- 6 | 1- 0 1/4 | 0- 8 | 1- 9 | | | | 96 | 96 |
| 4 | S04 | 5- 2 | 20 | 13 | | | 1- 7 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S05 | 5- 0 | 148 | 13 | | | 1- 5 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S06 | 4-10 | 60 | 13 | | | 1- 3 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S07 | 4- 8 | 12 | 13 | | | 1- 0 1/2 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S08 | 4- 4 | 16 | 13 | | | 0- 9 | 1- 9 1/2 | 1- 9 1/2 | | | | | | | |
| 5 | S01 | 30- 6 | 169 | 1 | | | 30- 6 | | | | | | | | | 71 |
| 6 | S01 | 16- 0 | 338 | 12 | | | 14- 7 1/4 | 1- 4 1/2 | | | | | | | | |
| 6 | S02 | 14- 0 | 2 | 5 | | | 1-11 1/2 | 8- 1 | 1- 0 | 1- 0 | | | | | | |
| 6 | S03 | 12- 3 | 2 | 27 | | | 1-11 1/2 | 1- 0 | 5-10 | 0- 8 1/2 | 1- 2 1/2 | 1- 0 | 1- 0 | | | |
| 6 | S04 | 11-10 | 2 | 27 | | | 1-11 1/2 | 0- 8 3/4 | 5- 6 3/4 | 0- 8 1/2 | 1- 2 3/4 | 1- 0 | 1- 0 | | | |
| 6 | S05 | 11- 3 | 2 | 5 | | | 1-11 1/2 | 5- 4 | 1- 0 | 1- 0 | | | | | | |
| 6 | S06 | 11- 2 | 2 | 5 | | | 1-11 1/2 | 5- 3 | 1- 0 | 1- 0 | | | | | | |
| 6 | S07 | 11- 1 | 2 | 5 | | | 1-11 1/2 | 5- 2 | 1- 0 | 1- 0 | | | | | | |
| 7 | S01 | 8-11 | 36 | 53 | | | 2- 6 3/4 | 1- 2 | 1- 5 | 1- 2 | | | | | | 84 |
| 7 | S03 | 6- 7 | 76 | 17 | 1 | | 5- 9 | | | | | | | | | |
| 8 | S01 | 6- 8 | 12 | 17 | 1 | | 5- 9 | | | | | | | | | |
| LOCATION DECK - BACK SPAN | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 104- 9 | 128 | 2 | | | 1- 9 | 103- 0 | | | | | | | 1 | |
| 4 | S02 | 3- 0 | 93 | 1 | | | 3- 0 | | | | | | | | | |
| 4 | S03 | 5- 0 | 158 | 51 | | | 1- 0 3/4 | 0- 6 | 1- 0 1/4 | 0- 8 | 1- 9 | | | | 96 | 96 |
| 4 | S04 | 5- 2 | 8 | 13 | | | 1- 7 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S05 | 5- 0 | 36 | 13 | | | 1- 5 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S06 | 4-10 | 48 | 13 | | | 1- 3 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S07 | 4- 8 | 16 | 13 | | | 1- 0 1/2 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S08 | 4- 4 | 44 | 13 | | | 0- 9 | 1- 9 1/2 | 1- 9 1/2 | | | | | | | 6 |
| 4 | S09 | 4- 0 | 14 | 54 | | | 1- 8 1/2 | 0- 2 | 1- 8 3/4 | | | | | | | 6 |
| 4 | S10 | 3- 8 | 2 | 54 | | | 1- 6 | 0- 2 1/2 | 1- 5 3/4 | | | | | | 84 | 90 |
| 4 | S11 | 4- 7 | 2 | 13 | | | 1- 0 | 1- 9 1/2 | 1- 9 1/2 | | | | | | | 83 |
| 4 | S12 | 2- 4 | 4 | 12 | | | 1- 1 | 1- 2 1/2 | | | | | | | | 5 |
| 4 | S13 | 3- 7 | 4 | 54 | | | 1- 6 | 0- 2 | 1- 6 | | | | | | 84 | 90 |
| 4 | S14 | 6-11 | 4 | 13 | | | 3- 4 | 1- 9 1/2 | 1- 9 1/2 | | | | | | | |
| 5 | S01 | 30- 6 | 93 | 1 | | | 30- 6 | | | | | | | | | 71 |
| 6 | S01 | 16- 0 | 186 | 12 | | | 14- 7 1/4 | 1- 4 1/2 | | | | | | | | |
| 6 | S02 | 9- 2 | 2 | 5 | | | 1-11 1/2 | 3- 2 1/4 | 1- 0 | 1- 0 | | | | | | |
| 6 | S03 | 9- 6 | 2 | 27 | | | 1-11 1/2 | 0-11 1/4 | 3- 2 3/4 | 0-10 3/4 | 1- 0 1/4 | 1- 0 | 1- 0 | | | |
| 6 | S04 | 9- 9 | 2 | 27 | | | 1-11 1/2 | 1- 1 | 3- 4 1/4 | 0-10 1/2 | 1- 0 1/2 | 1- 0 | 1- 0 | | | |
| 6 | S05 | 9-11 | 2 | 27 | | | 1-11 1/2 | 1- 1 3/4 | 3- 5 1/2 | 0- 9 3/4 | 1- 1 1/4 | 1- 0 | 1- 0 | | | |
| 6 | S06 | 10- 2 | 2 | 27 | | | 1-11 1/2 | 1- 5 | 3- 6 1/2 | 0-11 | 0-11 3/4 | 1- 0 | 1- 0 | | | |
| 6 | S07 | 12- 1 | 2 | 5 | | | 1-11 1/2 | 6- 1 1/2 | 1- 0 | 1- 0 | | | | | | |
| 7 | S01 | 8-11 | 24 | 53 | | | 2- 6 3/4 | 1- 2 | 1- 5 | 1- 2 | | | | | | 84 |
| 7 | S03 | 6- 7 | 73 | 17 | 1 | | 5- 9 | | | | | | | | | |
| LOCATION DECK - NORTH LANDING | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 30- 6 | 14 | 13 | | | 1- 5 3/4 | 14- 7 1/2 | 14- 4 | | | | | | 6 | 6 |
| 4 | S02 | 13- 2 | 56 | 1 | | | 13- 2 | | | | | | | | | |
| 4 | S03 | 4-10 | 16 | 13 | | | 1- 3 | 1- 9 1/2 | 1- 9 1/2 | | | | | | 84 | 84 |
| 4 | S04 | 4- 0 | 9 | 54 | | | 1- 8 1/2 | 0- 2 | 1- 8 3/4 | | | | | | | 6 |
| 4 | S05 | 4- 1 | 4 | 35 | | | 1- 7 1/2 | 0- 9 1/4 | 0- 2 1/4 | 1- 7 1/2 | | | | | | |
| 4 | S06 | 4- 4 | 4 | 35 | | | 1- 7 1/2 | 1- 0 1/4 | 0- 2 1/4 | 1- 7 1/2 | | | | | | |
| 4 | S07 | 5- 0 | 16 | 51 | | | 1- 0 1/4 | 0- 6 | 1- 0 1/4 | 0- 8 | 1- 9 | | | | 96 | 96 |
| 4 | S08 | VARY | 32 | 51 | | | 2- 7 | 0- 6 | 2- 7 1/2 | 0- 8 | 1- 9 | | | | 96 | 96 |

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

NOTES:

1. FOR SPECIAL BAR BENDS, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


DRAWN BY: CFR
CHECKED BY: EDL
DESIGNED BY: EDL
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (1 OF 7)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-97


Plotted By: lcavanaugh 4/7/2017 4:08:06 PM G:\434688158O1\struct\B1RebarList11.DGN

| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| | | 6- 7 | 0 | 51 | | | 1- 0 | 0- 6 | 1- 0 | 0- 8 | 1- 9 | | | | 96 | 96 |
| 5 | S01 | VARY | 27 | 4 | 4 | 4 | 3- 7 1/2 | 2- 8 | | | | | | | | |
| | | 11- 8 | 0 | 4 | 4 | 4 | 1- 8 1/4 | 2- 8 | | | | | | | | |
| 5 | S02 | 13- 4 | 5 | 1 | | | 13- 4 | | | | | | | | | |
| 5 | S03 | 5-10 | 2 | 1 | | | 5- 9 1/2 | | | | | | | | | |
| 5 | S04 | 11- 2 | 2 | 1 | | | 11- 1 1/2 | | | | | | | | | |
| 5 | S05 | 13- 2 | 4 | 1 | | | 13- 2 | | | | | | | | | |
| 5 | S06 | 30- 6 | 14 | 1 | | | 30- 6 | | | | | | | | | |
| 11 | S01 | 19- 3 | 4 | 54 | | | 12- 4 1/2 | 0-10 1/4 | 4- 2 | | | | | | | 9 |
| 11 | S02 | 7- 3 | 4 | 1 | | | 7- 3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| LOCATION MAINSPAN TRUSS SYSTEM | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| | | | | | | | | | | | | | | | | |
| 4 | S01 | 8-11 | 41 | 4 | 4 | 4 | 1- 5 | 2- 8 | | | | | | | | |
| 4 | S02 | 6-11 | 168 | 4 | 4 | 4 | 1- 5 | 1- 8 | | | | | | | | |
| 4 | S03 | 8- 8 | 14 | 4 | 4 | 4 | 1- 5 | 2- 6 1/2 | | | | | | | | |
| 4 | S04 | 10- 1 | 1 | 4 | 4 | 4 | 1- 5 | 3- 3 | | | | | | | | |
| 4 | S05 | 4- 7 | 21 | 11 | | | 1- 5 | 1- 7 | 1- 7 | | | | | | | |
| 4 | S07 | 5- 5 | 2 | 11 | | | 1- 5 | 2- 0 | 2- 0 | | | | | | | |
| 4 | S08 | 9- 3 | 1 | 4 | 4 | 4 | 1- 5 | 2-10 | | | | | | | | |
| 4 | S10 | 4-11 | 8 | 18 | 1 | 1 | 3-11 | | | | | | | | | |
| 5 | S01 | 1- 7 | 14 | 1 | | | 1- 6 3/4 | | | | | | | | | |
| 5 | S02 | 2- 5 | 28 | 13 | 1 | 1 | 1- 2 1/2 | 0- 6 | 0- 7 3/4 | | | | | | 45 | 45 |
| 6 | S01 | 9- 4 | 26 | 4 | 3 | 3 | 2- 3 | 1- 5 | | | | | | | | |
| 6 | S02 | 10- 4 | 6 | 5 | | | 2- 1 1/2 | 4- 1 | 1- 0 | 1- 0 | | | | | | |
| 6 | S03 | 11- 8 | 2 | 5 | | | 2- 1 1/2 | 5- 5 | 1- 0 | 1- 0 | | | | | | |
| 6 | S04 | 10- 9 | 2 | 5 | | | 2- 1 1/2 | 4- 6 | 1- 0 | 1- 0 | | | | | | |
| 7 | S01 | 18- 1 | 6 | 10 | | | 16-10 1/4 | 1- 2 | | | | | | | | |
| 7 | S02 | 18- 2 | 3 | 10 | | | 16-11 1/4 | 1- 2 | | | | | | | | |
| 7 | S03 | 17- 9 | 8 | 17 | 1 | | 16-10 3/4 | | | | | | | | | |
| 7 | S04 | 37-10 | 10 | 17 | 1 | | 36-11 1/2 | | | | | | | | | |
| 7 | S05 | 17- 8 | 8 | 17 | 1 | | 16-10 | | | | | | | | | |
| 7 | S06 | 33-10 | 8 | 17 | 1 | | 33- 0 | | | | | | | | | |
| 7 | S07 | 18- 9 | 8 | 17 | 1 | | 17-10 1/2 | | | | | | | | | |
| 7 | S08 | 26-11 | 8 | 17 | 1 | | 26- 0 1/4 | | | | | | | | | |
| 7 | S09 | 23- 4 | 10 | 17 | 1 | | 22- 5 3/4 | | | | | | | | | |
| 7 | S10 | 21- 0 | 8 | 17 | 1 | | 20- 2 | | | | | | | | | |
| 7 | S11 | 31- 3 | 8 | 17 | 1 | | 30- 5 | | | | | | | | | |
| 8 | S01 | 38-11 | 12 | 17 | 1 | | 37-11 1/4 | | | | | | | | | |
| 11 | S01 | 22-11 | 3 | 1 | | | 22-11 | | | | | | | | | |
| 11 | S02 | 18- 5 | 6 | 10 | | | 16- 4 1/4 | 2- 0 | | | | | | | | |
| 11 | S03 | 6- 5 | 4 | 10 | | | 4- 5 | 2- 0 | | | | | | | | |
| 11 | S04 | 6- 4 | 4 | 10 | | | 4- 3 1/4 | 2- 0 | | | | | | | | |
| 11 | S05 | 9- 2 | 8 | 1 | | | 9- 1 3/4 | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| LOCATION BACKSPAN TRUSS | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| | | | | | | | | | | | | | | | | |
| 4 | S01 | 6-11 | 163 | 4 | 4 | 4 | 1- 5 | 1- 8 | | | | | | | | |
| 4 | S02 | 8-11 | 14 | 4 | 4 | 4 | 1- 5 | 2- 8 | | | | | | | | |
| 4 | S03 | 10- 1 | 1 | 4 | 4 | 4 | 1- 5 | 3- 3 | | | | | | | | |
| 4 | S05 | 3- 4 | 1 | 11 | | | 1- 5 | 0-11 1/2 | 0-11 1/2 | | | | | | | |
| 4 | S06 | 4- 4 | 3 | 11 | | | 1- 5 | 1- 5 1/4 | 1- 5 1/4 | | | | | | | |
| 4 | S07 | 5- 4 | 2 | 11 | | | 1- 5 | 1-11 1/4 | 1-11 1/4 | | | | | | | |
| 4 | S08 | 4-11 | 16 | 18 | 1 | 1 | 3-11 | | | | | | | | | |
| 6 | S01 | 9- 4 | 17 | 4 | 3 | 3 | 2- 3 | 1- 5 | | | | | | | | |
| 6 | S02 | 10- 5 | 2 | 5 | | | 1-11 1/2 | 4- 6 | 1- 0 | 1- 0 | | | | | | |
| 6 | S03 | 8- 7 | 8 | 5 | | | 1-11 1/2 | 2- 7 3/4 | 1- 0 | 1- 0 | | | | | | |
| 7 | S02 | 30- 7 | 10 | 17 | 1 | | 29- 8 1/2 | | | | | | | | | |
| 7 | S03 | 21- 1 | 8 | 17 | 1 | | 20- 2 1/2 | | | | | | | | | |

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
W. Denney Pate
4/7/17

FOR CONSTRUCTION

NOTES:

1. FOR SPECIAL BAR BENDS, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| | |
|---|---|
| DRAWN BY: | CFR |
| CHECKED BY: | EDL |
| DESIGNED BY: | EDL |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (2 OF 7)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-98


Plotted By: lcavanaugh 4/7/2017 4:08:07 PM G:\434688815801\struct\B1ReberList12.DGN

| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| 7 | S04 | 16-11 | 8 | 17 | 1 | | 16- 0 3/4 | | | | | | | | | |
| 7 | S05 | 22- 7 | 8 | 17 | 1 | | 21- 8 3/4 | | | | | | | | | |
| 7 | S06 | 17-10 | 8 | 17 | 1 | | 17- 0 | | | | | | | | | |
| 7 | S07 | 25- 2 | 8 | 17 | 1 | | 24- 3 3/4 | | | | | | | | | |
| 7 | S08 | 18- 7 | 8 | 17 | 1 | | 17- 8 1/2 | | | | | | | | | |
| 7 | S09 | 25- 3 | 8 | 17 | 1 | | 24- 4 1/2 | | | | | | | | | |
| 7 | S10 | 19- 0 | 8 | 17 | 1 | | 18- 1 1/2 | | | | | | | | | |
| 7 | S11 | 26- 6 | 8 | 17 | 1 | | 25- 7 1/2 | | | | | | | | | |
| 11 | S01 | 18- 5 | 6 | 10 | | | 16- 4 1/4 | 2- 0 | | | | | | | | |
| 11 | S02 | 18- 6 | 4 | 10 | | | 16- 5 3/4 | 2- 0 | | | | | | | | |
| 11 | S03 | 18- 8 | 4 | 10 | | | 16- 7 1/2 | 2- 0 | | | | | | | | |
| LOCATION CANOPY - MAIN SPAN | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 180- 4 | 36 | 2 | | | 1- 9 | 176-10 | | | | | | | 2 | |
| 5 | S01 | 15- 9 | 189 | 50 | | | 14- 1 | 0-10 | 0-10 | 24- 9 3/4 | | | | | 60 | 60 |
| 5 | S02 | 16- 5 | 189 | 50 | | | 13- 1 | 1- 8 | 1- 8 | 24- 2 | | | | | 60 | 60 |
| 5 | S03 | 6- 2 | 378 | 51 | | | 1- 9 | 0- 7 3/4 | 2- 1 | 0-10 | 0-10 | | | | 120 | 120 |
| 5 | S05 | 4-10 | 10 | 11 | | | 3- 1 1/2 | 0-10 | 0-10 | | | | | | | |
| 6 | S02 | 7- 2 | 30 | 27 | | | 1-10 | 0- 9 3/4 | 1- 2 | 1- 0 | 0-10 | 1- 0 | 1- 0 | | | |
| 7 | S01 | 7- 7 | 55 | 52 | | | 2-11 | 1- 2 | 0- 4 1/2 | 1- 2 | 1-10 3/4 | | | | 106 | |
| 7 | S02 | 16- 5 | 20 | 43 | | | 0- 9 3/4 | 9-10 | 1- 0 | 0-10 | 0-10 | 1- 2 | | | | |
| 7 | S03 | 11- 0 | 10 | 1 | | | 11- 0 | | | | | | | | | |
| LOCATION CANOPY - BACK SPAN | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 101- 5 | 36 | 2 | | | 1- 9 | 99- 8 | | | | | | | 1 | |
| 5 | S01 | 15- 9 | 113 | 50 | | | 14- 1 | 0-10 | 0-10 | 24- 9 3/4 | | | | | 60 | 60 |
| 5 | S02 | 16- 5 | 113 | 50 | | | 13- 1 | 1- 8 | 1- 8 | 24- 2 | | | | | 60 | 60 |
| 5 | S03 | 6- 2 | 226 | 51 | | | 1- 9 | 0- 7 3/4 | 2- 1 | 0-10 | 0-10 | | | | 120 | 120 |
| 5 | S04 | 8- 0 | 10 | 1 | | | 8- 0 | | | | | | | | | |
| 5 | S05 | 4-10 | 10 | 11 | | | 3- 1 1/2 | 0-10 | 0-10 | | | | | | | |
| 6 | S02 | 6- 2 | 30 | 27 | | | 0-10 | 0- 9 3/4 | 1- 2 | 1- 0 | 0-10 | 1- 0 | 1- 0 | | | |
| 7 | S01 | 7- 7 | 30 | 52 | | | 2-11 | 1- 2 | 0- 4 1/2 | 1- 2 | 1-10 3/4 | | | | 106 | |
| 7 | S02 | 13- 5 | 20 | 43 | | | 0- 9 3/4 | 6-10 | 1- 0 | 0-10 | 0-10 | 1- 2 | | | | |
| LOCATION DECK END DIAPHRAGM - TYPE I | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 31- 4 | 4 | 1 | | | 31- 4 | | | | | | | | | |
| 5 | S01 | 5- 3 | 8 | 15 | | | 3- 6 1/2 | 0-10 | 0-10 | | | | | | 71 | 70 |
| 5 | S02 | 4- 5 | 20 | 35 | | | 0-10 | 0-10 | 1-11 | 1-11 | | | | | | |
| 5 | S03 | 11-10 | 2 | 13 | | | 8-11 1/2 | 0-10 | 2- 0 | | | | | | 6 | 66 |
| 5 | S04 | 11- 1 | 2 | 13 | | | 9- 4 1/2 | 0-10 | 0-10 | | | | | | 66 | 66 |
| 5 | S05 | 6-10 | 8 | 12 | | | 5- 7 | 1- 3 | | | | | | | | 40 |
| 5 | S06 | 4- 8 | 56 | 6 | | | 1- 1 | 0-10 | 0- 9 3/4 | 0-10 | | | | | | |
| 8 | S01 | 22-11 | 2 | 11 | | | 17-11 | 2- 6 | 2- 6 | | | | | | | |
| 8 | S02 | 23- 4 | 2 | 11 | | | 18- 3 1/2 | 2- 6 | 2- 6 | | | | | | | |
| 8 | S03 | 14- 0 | 4 | 11 | | | 8-11 3/4 | 2- 6 | 2- 6 | | | | | | | |
| 8 | S04 | 14- 1 | 4 | 11 | | | 9- 0 1/2 | 2- 6 | 2- 6 | | | | | | | |
| 8 | S05 | 24- 7 | 1 | 11 | | | 19- 7 | 2- 6 | 2- 6 | | | | | | | |
| 8 | S06 | 25- 2 | 1 | 11 | | | 20- 1 1/2 | 2- 6 | 2- 6 | | | | | | | |
| 8 | S07 | 6-11 | 1 | 11 | | | 1-10 3/4 | 2- 6 | 2- 6 | | | | | | | |
| 9 | S01 | VARY | 12 | 11 | | | 3- 6 1/4 | 3-10 | 3- 0 | | | | | | | |
| | | 10- 5 | 0 | 11 | | | 3- 8 | 3-10 | 3- 0 | | | | | | | |
| 9 | S02 | VARY | 10 | 11 | | | 3- 4 1/4 | 1- 7 | 1- 7 | | | | | | | |
| | | 6- 7 | 0 | 11 | | | 3- 5 3/4 | 1- 7 | 1- 7 | | | | | | | |
| 9 | S03 | VARY | 66 | 18 | 1 | 1 | 3- 8 1/4 | | | | | | | | | |
| | | 6- 4 | 0 | 18 | 1 | 1 | 3-10 | | | | | | | | | |


FOR CONSTRUCTION

NOTES:

1. FOR SPECIAL BAR BENDS, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


DRAWN BY: CFR
CHECKED BY: EDL/ENH
DESIGNED BY: EDL/ENH
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (3 OF 7)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-99


Plotted By: lcavanaugh 4/7/2017 4:08:07 PM G:\434688\5801\struct\B1RebarList13.DGN

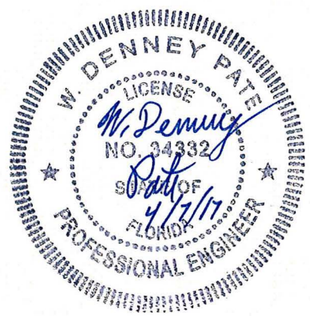
| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| 9 | S04 | VARY | 12 | 18 | 1 | 1 | 3- 4 | | | | | | | | | |
| | | 5-11 | 0 | 18 | 1 | 1 | 3- 5 3/4 | | | | | | | | | |
| 9 | S05 | 10- 9 | 2 | 11 | | | 3-11 | 3-10 | 3- 0 | | | | | | | |
| 9 | S06 | 6- 3 | 2 | 18 | 1 | 1 | 3- 8 3/4 | | | | | | | | | |
| 9 | S07 | 6- 4 | 2 | 11 | | | 1- 3 1/2 | 2- 6 | 2- 6 | | | | | | | |
| 11 | S01 | 18- 0 | 16 | 1 | | | 18- 0 | | | | | | | | | |
| 11 | S02 | 6- 7 | 2 | 10 | | | 4- 6 1/2 | 2- 0 | | | | | | | | |
| 11 | S03 | 6- 8 | 2 | 10 | | | 4- 8 | 2- 0 | | | | | | | | |
| 11 | S04 | 9- 1 | 2 | 10 | | | 7- 0 1/2 | 2- 0 | | | | | | | | |
| 11 | S05 | 8-11 | 2 | 10 | | | 6-11 | 2- 0 | | | | | | | | |
| 11 | S06 | 10-10 | 6 | 10 | | | 8-10 | 2- 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

LOCATION DECK END DIAPHRAGM - TYPE II NO. REQUIRED = 1

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | S01 | 31- 4 | 3 | 1 | | | 31- 4 | | | | | | | | | |
| 4 | S02 | 8- 6 | 6 | 4 | 4 | 4 | 2- 6 1/2 | 1- 4 | | | | | | | | |
| 4 | S03 | 3- 8 | 10 | 1 | | | 3- 8 | | | | | | | | | |
| 5 | S01 | 5- 5 | 4 | 15 | | | 3- 8 1/2 | 0-10 | 0-10 | | | | | | 71 | 70 |
| 5 | S02 | 6-10 | 8 | 1 | | | 6-10 | | | | | | | | | |
| 5 | S03 | 4- 8 | 10 | 6 | | | 1- 1 | 0-10 | 0- 9 3/4 | 0-10 | | | | | | |
| 5 | S04 | 13- 0 | 6 | 11 | | | 4- 8 | 4- 2 | 4- 2 | | | | | | | |
| 7 | S01 | 8- 0 | 6 | 10 | | | 6-10 | 1- 2 | | | | | | | | |
| 7 | S02 | 5-10 | 1 | 10 | | | 4- 8 | 1- 2 | | | | | | | | |
| 7 | S03 | 8- 1 | 2 | 10 | | | 6-11 | 1- 2 | | | | | | | | |
| 8 | S01 | 20- 9 | 2 | 11 | | | 17- 9 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S02 | 21- 1 | 2 | 11 | | | 18- 1 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S03 | 11-11 | 4 | 11 | | | 8-10 1/2 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S04 | 12- 4 | 4 | 11 | | | 9- 3 1/2 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S05 | 22- 5 | 1 | 11 | | | 19- 5 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S06 | 22-10 | 1 | 11 | | | 19-10 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S07 | 5- 7 | 40 | 18 | 1 | 1 | 3- 8 1/2 | | | | | | | | | |
| 8 | S08 | 5-11 | 2 | 18 | 1 | 1 | 4- 1 | | | | | | | | | |
| 9 | S01 | VARY | 12 | 11 | | | 3- 8 1/4 | 1- 7 | 1- 7 | | | | | | | |
| | | 6-11 | 0 | 11 | | | 3-10 | 1- 7 | 1- 7 | | | | | | | |
| 9 | S02 | VARY | 12 | 11 | | | 3- 6 | 1- 5 3/4 | 1- 7 | | | | | | | |
| | | 6- 8 | 0 | 11 | | | 3- 7 3/4 | 1- 5 3/4 | 1- 7 | | | | | | | |
| 9 | S03 | VARY | 12 | 18 | 1 | 1 | 3- 8 1/4 | | | | | | | | | |
| | | 6- 3 | 0 | 18 | 1 | 1 | 3- 9 3/4 | | | | | | | | | |
| 9 | S04 | VARY | 12 | 18 | 1 | 1 | 3- 3 3/4 | | | | | | | | | |
| | | 5-11 | 0 | 18 | 1 | 1 | 3- 5 1/4 | | | | | | | | | |
| 9 | S05 | 7- 3 | 2 | 11 | | | 4- 1 | 1- 7 | 1- 7 | | | | | | | |
| 9 | S06 | 6- 5 | 2 | 18 | 1 | 1 | 3-10 3/4 | | | | | | | | | |
| 9 | S07 | 4- 4 | 2 | 11 | | | 1- 3 1/2 | 1- 6 | 1- 6 | | | | | | | |
| 11 | S01 | 18- 0 | 8 | 1 | | | 18- 0 | | | | | | | | | |
| 11 | S02 | 9- 0 | 1 | 17 | 1 | | 7- 5 | | | | | | | | | |
| 11 | S03 | 11-10 | 2 | 10 | | | 9- 9 1/2 | 2- 0 | | | | | | | | |
| 11 | S04 | 5- 2 | 2 | 17 | 1 | | 3- 7 | | | | | | | | | |
| 11 | S05 | 5- 7 | 4 | 10 | | | 3- 7 | 2- 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

LOCATION DECK END DIAPHRAGM - TYPE III NO. REQUIRED = 1

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | S01A | 13- 2 | 4 | 1 | | | 13- 2 | | | | | | | | | |
| 4 | S01B | 14- 1 | 2 | 1 | | | 14- 0 1/2 | | | | | | | | | |
| 4 | S02 | 12- 9 | 6 | 1 | | | 12- 9 | | | | | | | | | |
| 4 | S03 | 3- 8 | 10 | 1 | | | 3- 8 | | | | | | | | | |
| 5 | S01 | 5- 8 | 10 | 15 | | | 4- 0 | 0-10 | 0-10 | | | | | | 71 | 70 |
| 5 | S02 | 6-10 | 8 | 1 | | | 6-10 | | | | | | | | | |
| 5 | S03 | 6- 6 | 6 | 1 | | | 6- 5 1/2 | | | | | | | | | |
| 5 | S04 | 7- 2 | 6 | 12 | | | 6- 3 1/4 | 0-10 | | | | | | | | 71 |




FOR CONSTRUCTION

NOTES:

1. FOR SPECIAL BAR BENDS, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| | |
|---|---|
| DRAWN BY: | CFR |
| CHECKED BY: | ENH |
| DESIGNED BY: | ENH |
| CHECKED BY: | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (4 OF 7)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-100


Plotted By: lcavanaugh 4/7/2017 4:08:07 PM G:\434688158O1\struct\B1RebarList14.DGN

| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| 8 | S01 | 8- 0 | 2 | 10 | | | 6- 6 | 1- 6 | | | | | | | | |
| 8 | S02 | 8- 3 | 2 | 10 | | | 6- 8 1/2 | 1- 6 | | | | | | | | |
| 8 | S03 | 8- 5 | 2 | 10 | | | 6-10 1/2 | 1- 6 | | | | | | | | |
| 8 | S04 | 8- 8 | 2 | 10 | | | 7- 2 | 1- 6 | | | | | | | | |
| 8 | S05 | 4- 4 | 2 | 11 | | | 1- 3 3/4 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S06 | 4- 7 | 2 | 11 | | | 1- 6 1/4 | 1- 6 | 1- 6 | | | | | | | |
| 8 | S07 | 8-10 | 2 | 10 | | | 7- 4 | 1- 6 | | | | | | | | |
| 8 | S08 | 9- 1 | 2 | 10 | | | 7- 6 1/2 | 1- 6 | | | | | | | | |
| 8 | S09 | 9- 3 | 2 | 10 | | | 7- 8 1/2 | 1- 6 | | | | | | | | |
| 8 | S10 | 9- 6 | 2 | 10 | | | 8- 0 | 1- 6 | | | | | | | | |
| 8 | S11 | 9- 8 | 2 | 10 | | | 8- 2 | 1- 6 | | | | | | | | |
| 8 | S12 | 9-11 | 2 | 10 | | | 8- 5 | 1- 6 | | | | | | | | |
| 8 | S13 | 5- 9 | 24 | 18 | 1 | 1 | 3-11 | | | | | | | | | |
| 9 | S01 | VARY | 10 | 11 | | | 3-11 | 1- 7 | 1- 7 | | | | | | | |
| | | 7- 2 | 0 | 11 | | | 4- 0 1/2 | 1- 7 | 1- 7 | | | | | | | |
| 9 | S02 | VARY | 8 | 11 | | | 3- 9 1/4 | 1- 5 3/4 | 1- 7 | | | | | | | |
| | | 6-11 | 0 | 11 | | | 3-10 1/4 | 1- 5 3/4 | 1- 7 | | | | | | | |
| 9 | S03 | VARY | 6 | 18 | 1 | 1 | 3-11 1/2 | | | | | | | | | |
| | | 6- 6 | 0 | 18 | 1 | 1 | 4- 0 1/4 | | | | | | | | | |
| 9 | S04 | VARY | 10 | 18 | 1 | 1 | 3- 6 1/2 | | | | | | | | | |
| | | 6- 2 | 0 | 18 | 1 | 1 | 3- 8 | | | | | | | | | |
| 11 | S01 | 10- 4 | 8 | 15 | | | 6- 3 1/2 | 2- 0 | 2- 0 | | | | | | | |
| 11 | S02 | 3- 4 | 4 | 10 | | | 2- 0 | 1- 3 1/2 | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| LOCATION DECK END DIAPHRAGM - TYPE IV | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| | | | | | | | | | | | | | | | | |
| 4 | S01 | 30- 4 | 5 | 12 | | | 15- 2 | 15- 2 | | | | | | | | 2 |
| 4 | S02 | 1- 0 | 10 | 1 | | | 1- 0 | | | | | | | | | |
| 4 | S03 | 3-10 | 62 | 1 | | | 3-10 | | | | | | | | | |
| 5 | S01 | 5- 7 | 10 | 15 | | | 3-11 | 0-10 | 0-10 | | | | | | 70 | 71 |
| 6 | S01 | 5- 0 | 12 | 6 | | | 1- 1 | 1- 0 | 0-10 | 1- 0 | | | | | | |
| 6 | S02 | 6- 8 | 10 | 1 | | | 6- 8 | | | | | | | | | |
| 6 | S03 | 4- 9 | 24 | 51 | | | 0-10 | 0-10 | 1- 1 | 1- 0 | 1- 0 | | | | | |
| 8 | S01 | 26- 0 | 2 | 11 | | | 18- 0 | 4- 0 | 4- 0 | | | | | | | |
| 8 | S02 | 26- 6 | 2 | 11 | | | 18- 6 | 4- 0 | 4- 0 | | | | | | | |
| 8 | S03 | 17- 0 | 4 | 11 | | | 9- 0 | 4- 0 | 4- 0 | | | | | | | |
| 8 | S04 | 6- 6 | 2 | 11 | | | 1- 2 | 4- 0 | 1- 4 | | | | | | | |
| 8 | S05 | 6- 1 | 4 | 11 | | | 3- 5 | 1- 4 | 1- 4 | | | | | | | |
| 8 | S06 | 17- 4 | 2 | 11 | | | 9- 4 | 4- 0 | 4- 0 | | | | | | | |
| 8 | S07 | 6- 9 | 2 | 11 | | | 1- 5 | 4- 0 | 1- 4 | | | | | | | |
| 8 | S08 | 10- 4 | 2 | 11 | | | 7- 8 | 1- 4 | 1- 4 | | | | | | | |
| 8 | S09 | 27-10 | 1 | 11 | | | 19-10 | 4- 0 | 4- 0 | | | | | | | |
| 8 | S10 | 28- 0 | 2 | 11 | | | 20- 0 | 4- 0 | 4- 0 | | | | | | | |
| 9 | S01 | 13- 0 | 16 | 11 | | | 3- 8 | 4- 8 | 4- 8 | | | | | | | |
| 9 | S02 | 6- 8 | 20 | 11 | | | 3- 5 3/4 | 1- 7 | 1- 7 | | | | | | | |
| 9 | S03 | 11- 6 | 12 | 11 | | | 3- 8 | 3-11 | 3-11 | | | | | | | |
| 9 | S04 | 6-10 | 32 | 11 | | | 3- 8 | 1- 7 | 1- 7 | | | | | | | |
| 9 | S05 | 9- 4 | 4 | 11 | | | 1- 3 3/4 | 4- 0 | 4- 0 | | | | | | | |
| 9 | S06 | 11-11 | 4 | 11 | | | 3-10 3/4 | 4- 0 | 4- 0 | | | | | | | |
| 11 | S01 | 18- 0 | 14 | 1 | | | 18- 0 | | | | | | | | | |
| 11 | S02 | 3- 5 | 8 | 1 | | | 3- 5 | | | | | | | | | |
| 11 | S03 | 7-11 | 14 | 10 | | | 5-11 | 2- 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| LOCATION CANOPY END DIAPHRAGM - TYPE I | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| | | | | | | | | | | | | | | | | |
| 4 | S01 | 16- 5 | 3 | 50 | | | 13- 1 | 1- 8 | 1- 8 | 24- 2 | | | | | 60 | 60 |
| 4 | S02 | 4- 9 | 4 | 11 | | | 1- 9 | 1- 6 | 1- 6 | | | | | | | |
| 4 | S03A | 6- 2 | 2 | 11 | | | 1- 8 | 3-10 | 0- 8 | | | | | | | |
| 4 | S03B | 5-10 | 2 | 11 | | | 1- 4 | 3-10 | 0- 8 | | | | | | | |


FOR CONSTRUCTION

NOTES:

1. FOR SPECIAL BAR BENDS, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| CFR | ENH | ENH | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

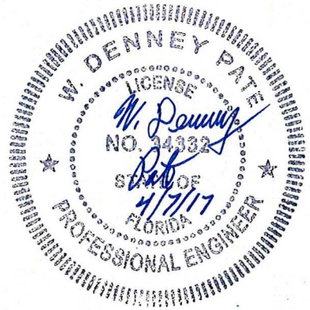
SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (5 OF 7)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-101


Plotted By: lcavanaugh 4/7/2017 4:08:08 PM G:\43468815801\struct\B1RebarList15.DGN

| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| 4 | S03C | 5- 5 | 2 | 11 | | | 0-11 | 3-10 | 0- 8 | | | | | | | |
| 4 | S04 | 7- 1 | 4 | 11 | | | 1-10 3/4 | 2- 4 | 2-10 | | | | | | | |
| 4 | S05 | 2- 2 | 3 | 11 | | | 0-10 | 0- 8 | 0- 8 | | | | | | | |
| 5 | S01 | 14- 4 | 4 | 3 | | | 14- 4 | 26- 0 3/4 | | | | | | | | |
| 5 | S02 | 3-11 | 8 | 35 | | | 0-10 | 0- 9 | 1-11 | 1- 2 1/2 | | | | | | |
| 5 | S03A | 4- 0 | 8 | 6 | | | 0- 9 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S03B | 5- 2 | 24 | 6 | | | 1- 4 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S04 | 15- 0 | 1 | 3 | | | 15- 0 | 25- 9 | | | | | | | | |
| 6 | S01 | 7- 8 | 4 | 13 | | | 4- 7 1/2 | 1- 6 | 1- 6 | | | | | | 45 | 45 |
| 6 | S02 | 5- 3 | 15 | 28 | | | 1- 6 | 1- 6 | 1- 5 | 1- 9 | | | | | | |
| 6 | S03 | 14- 0 | 1 | 3 | | | 14- 0 | 25- 1 1/2 | | | | | | | | |
| 6 | S04 | 15- 0 | 1 | 3 | | | 15- 0 | 25- 7 | | | | | | | | |
| 9 | S01 | 6- 6 | 32 | 11 | | | 1-10 3/4 | 2- 4 | 2- 2 1/2 | | | | | | | |
| LOCATION CANOPY END DIAPHRAGM - TYPE II | | | | | | | | | | | | | | | NO. REQUIRED = 1 | |
| 4 | S01 | 16- 5 | 3 | 50 | | | 13- 1 | 1- 8 | 1- 8 | 24- 2 | | | | | 60 | 60 |
| 4 | S02 | 4-11 | 6 | 11 | | | 1-10 3/4 | 1- 6 | 1- 6 | | | | | | | |
| 4 | S03A | 5- 2 | 2 | 11 | | | 1- 8 | 2-10 | 0- 8 | | | | | | | |
| 4 | S03B | 4-10 | 2 | 11 | | | 1- 4 | 2-10 | 0- 8 | | | | | | | |
| 4 | S03C | 4- 5 | 2 | 11 | | | 0-11 | 2-10 | 0- 8 | | | | | | | |
| 4 | S04 | 5- 9 | 6 | 11 | | | 1-10 3/4 | 1-11 | 1-11 | | | | | | | |
| 4 | S05 | 5- 9 | 10 | 11 | | | 1-11 | 1-11 | 1-11 | | | | | | | |
| 4 | S06 | 8- 8 | 3 | 4 | 4 | 4 | 2- 6 1/2 | 1- 5 | | | | | | | | |
| 4 | S07 | 2-10 | 4 | 1 | | | 2-10 | | | | | | | | | |
| 5 | S01 | 14- 4 | 4 | 3 | | | 14- 4 | 26- 0 3/4 | | | | | | | | |
| 5 | S02 | 3-11 | 8 | 35 | | | 0-10 | 0- 9 | 1-11 | 1- 2 1/2 | | | | | | |
| 5 | S03A | 4- 0 | 4 | 6 | | | 0- 9 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S03B | 5- 2 | 12 | 6 | | | 1- 4 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S04 | 5- 9 | 4 | 11 | | | 1-10 3/4 | 1-11 | 1-11 | | | | | | | |
| 5 | S05 | 11-11 | 3 | 43 | | | 0-10 3/4 | 2-10 1/4 | 0-10 3/4 | 3- 3 | 3- 3 | 0- 0 | | | | |
| 5 | S06 | 15- 4 | 1 | 3 | | | 15- 4 | 25- 9 | | | | | | | | |
| 6 | S01 | 8-11 | 4 | 13 | | | 5-11 | 1- 6 | 1- 6 | | | | | | 45 | 45 |
| 6 | S02 | 5- 3 | 15 | 28 | | | 1- 6 | 1- 6 | 1- 5 | 1- 9 | | | | | | |
| 6 | S03 | 11- 8 | 1 | 3 | | | 11- 8 | 25- 1 1/2 | | | | | | | | |
| 6 | S04 | 15- 0 | 1 | 3 | | | 15- 0 | 25- 7 | | | | | | | | |
| 8 | S01A | 7- 6 | 2 | 11 | | | 4-10 | 1- 4 | 1- 4 | | | | | | | |
| 8 | S01B | 8- 2 | 4 | 11 | | | 5- 6 | 1- 4 | 1- 4 | | | | | | | |
| 9 | S01 | 5- 9 | 16 | 11 | | | 1-10 3/4 | 1-11 | 1-11 | | | | | | | |
| 11 | S01 | 8-10 | 6 | 1 | | | 8-10 | | | | | | | | | |
| LOCATION CANOPY END DIAPHRAGM - TYPE III | | | | | | | | | | | | | | | NO. REQUIRED = 1 | |
| 4 | S01A | 5- 7 | 12 | 50 | | | 3-11 | 1- 8 | 0- 0 | 24- 2 | | | | | 0 | 60 |
| 4 | S01B | 5- 8 | 2 | 50 | | | 4- 0 | 1- 8 | 0- 0 | 24- 2 | | | | | 0 | 60 |
| 4 | S01C | 6- 1 | 2 | 50 | | | 4- 5 | 1- 8 | 0- 0 | 24- 2 | | | | | 0 | 60 |
| 4 | S02 | 7- 5 | 6 | 4 | 5 | 5 | 1-10 | 1- 6 | | | | | | | | |
| 4 | S03 | 5- 6 | 6 | 10 | | | 4-10 | 0- 8 | | | | | | | | |
| 4 | S04 | 2-10 | 4 | 1 | | | 2-10 | | | | | | | | | |
| 4 | S05 | 5- 9 | 6 | 11 | | | 1-11 | 1-11 | 1-11 | | | | | | | |
| 5 | S01A | 4- 7 | 12 | 3 | | | 4- 7 | 26- 0 3/4 | | | | | | | | |
| 5 | S01B | 4- 8 | 2 | 3 | | | 4- 8 | 26- 0 3/4 | | | | | | | | |
| 5 | S01C | 5- 1 | 2 | 3 | | | 5- 1 | 26- 0 3/4 | | | | | | | | |
| 5 | S02 | 3-11 | 16 | 35 | | | 0-10 | 0- 9 | 1-11 | 1- 2 1/2 | | | | | | |
| 5 | S03A | 4- 0 | 2 | 6 | | | 0- 9 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S03B | 5- 2 | 6 | 6 | | | 1- 4 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S04 | 5- 9 | 2 | 11 | | | 1-10 3/4 | 1-11 | 1-11 | | | | | | | |
| 6 | S01 | 5- 6 | 8 | 28 | | | 1- 8 1/2 | 1- 6 | 1- 5 | 1- 9 | | | | | | |
| 6 | S02 | 11- 8 | 1 | 3 | | | 11- 8 | 25- 1 1/2 | | | | | | | | |




FOR CONSTRUCTION

NOTES:

1. FOR SPECIAL BAR BENDS, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| CFR | ENH | ENH | MF |

FLORIDA INTERNATIONAL UNIVERSITY

| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (6 OF 7)

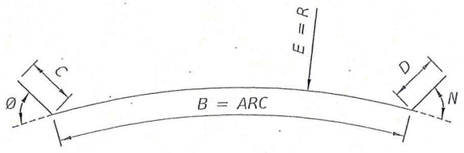
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-102

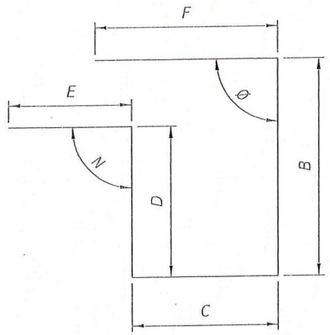

Plotted By: lcavanaugh 4/7/2017 4:08:08 PM G:\43468815801\struct\B1RebarList16.DGN

| MARK | | LENGTH | NO | TYP | STY | | B | C | D | E | F | H | J | K | N | Ø |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | DES | FT IN | BARS | BAR | A | G | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | FT IN FR | NO | ANG |
| 6 | S03 | 15- 0 | 1 | 3 | | | 15- 0 | 25- 7 | | | | | | | | |
| 8 | S01 | 2- 0 | 8 | 1 | | | 2- 0 | | | | | | | | | |
| 8 | S02 | 3- 0 | 6 | 1 | | | 3- 0 | | | | | | | | | |
| 9 | S01 | 5- 9 | 8 | 11 | | | 1-10 3/4 | 1-11 | 1-11 | | | | | | | |
| LOCATION CANOPY END DIAPHRAGM - TYPE IV | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 16- 5 | 3 | 50 | | | 13- 1 | 1- 8 | 1- 8 | 24- 2 | | | | | 60 | 60 |
| 4 | S02 | 4-11 | 8 | 11 | | | 1-10 3/4 | 1- 6 | 1- 6 | | | | | | | |
| 4 | S03A | 6- 2 | 2 | 11 | | | 1- 8 | 3-10 | 0- 8 | | | | | | | |
| 4 | S03B | 5-10 | 2 | 11 | | | 1- 4 | 3-10 | 0- 8 | | | | | | | |
| 4 | S03C | 5- 5 | 2 | 11 | | | 0-11 | 3-10 | 0- 8 | | | | | | | |
| 4 | S04 | 7- 7 | 8 | 11 | | | 1-10 3/4 | 2-10 | 2-10 | | | | | | | |
| 4 | S05 | 2- 2 | 3 | 11 | | | 0-10 | 0- 8 | 0- 8 | | | | | | | |
| 5 | S01 | 14- 4 | 4 | 3 | | | 14- 4 | 26- 0 3/4 | | | | | | | | |
| 5 | S02 | 3-11 | 8 | 35 | | | 0-10 | 0- 9 | 1-11 | 1- 2 1/2 | | | | | | |
| 5 | S03A | 4- 0 | 6 | 6 | | | 0- 9 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S03B | 5- 2 | 18 | 6 | | | 1- 4 | 0-10 | 0- 9 1/4 | 0-10 | | | | | | |
| 5 | S04 | 15- 4 | 1 | 3 | | | 15- 4 | 25- 9 | | | | | | | | |
| 6 | S01 | 8-11 | 4 | 13 | | | 5-11 | 1- 6 | 1- 6 | | | | | | 45 | 45 |
| 6 | S02 | 5- 3 | 15 | 28 | | | 1- 6 | 1- 6 | 1- 5 | 1- 9 | | | | | | |
| 6 | S03 | 14- 0 | 1 | 3 | | | 14- 0 | 25- 1 1/2 | | | | | | | | |
| 6 | S04 | 15- 0 | 1 | 3 | | | 15- 0 | 25- 7 | | | | | | | | |
| 9 | S01 | 7- 0 | 24 | 11 | | | 1-10 3/4 | 2-10 | 2- 2 1/2 | | | | | | | |
| LOCATION SOUTH LANDING CANOPY | | | | | | | | | | | NO. REQUIRED = 1 | | | | | |
| 4 | S01 | 4- 1 | 32 | 4 | 5 | 5 | 0-10 | 0-10 | | | | | | | | |
| 4 | S02 | 16- 5 | 31 | 50 | | | 13- 1 | 1- 8 | 1- 8 | 24- 2 | | | | | 60 | 60 |
| 4 | S03 | 30- 6 | 26 | 1 | | | 30- 6 | | | | | | | | | |
| 4 | S04 | 24-10 | 14 | 1 | | | 24-10 | | | | | | | | | |
| 4 | S05 | 3- 1 | 15 | 11 | | | 1- 9 | 0- 8 | 0- 8 | | | | | | | |
| 4 | S06 | 5- 7 | 12 | 35 | | | 0- 8 | 2- 8 | 1- 5 | 1- 9 | | | | | | |
| 4 | S07 | 2-10 | 15 | 11 | | | 1- 6 | 0- 8 | 0- 8 | | | | | | | |
| 4 | S08 | 5- 1 | 12 | 35 | | | 0- 8 | 2- 2 | 1- 5 | 1- 9 | | | | | | |
| 5 | S01 | 8- 1 | 16 | 4 | 5 | 5 | 2- 2 | 1- 5 | | | | | | | | |
| 5 | S02 | 6- 2 | 50 | 51 | | | 1- 9 | 0- 7 3/4 | 2- 1 | 0-10 | 0-10 | | | | 120 | 120 |
| 5 | S03 | 15- 9 | 25 | 50 | | | 14- 1 | 0-10 | 0-10 | 24- 9 3/4 | | | | | 60 | 60 |
| 5 | S04 | 14- 4 | 12 | 3 | | | 14- 4 | 26- 0 3/4 | | | | | | | | |
| 5 | S05 | 3-11 | 16 | 35 | | | 0-10 | 0- 9 | 1-11 | 1- 2 1/2 | | | | | | |
| 5 | S06 | 7- 6 | 42 | 15 | | | 3- 8 | 1-11 | 1-11 | | | | | | 105 | 75 |
| 5 | S07 | 6-11 | 42 | 52 | | | 2-11 | 0-10 | 0- 4 1/2 | 0-10 | 1-10 3/4 | | | | | 106 |
| 9 | S01 | 30- 6 | 6 | 1 | | | 30- 6 | | | | | | | | | |
| 10 | S01 | 17- 7 | 10 | 10 | | | 15- 9 | 1-10 | | | | | | | | |
| 10 | S02 | 19- 4 | 8 | 35 | | | 1-10 | 2- 0 | 14- 6 | 5- 6 | | | | | | |

END OF LIST




TYPE 50

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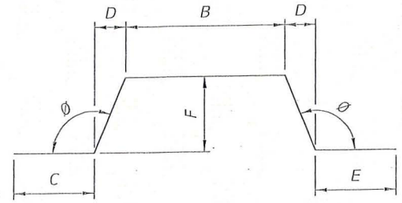


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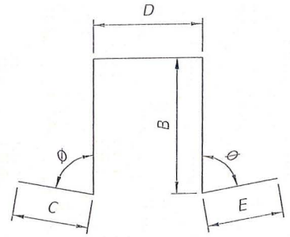
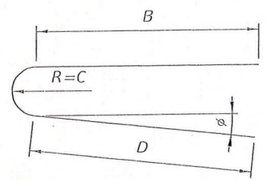



TYPE 53




TYPE 54

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |


ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332


DRAWN BY: CFR
CHECKED BY: ENH
DESIGNED BY: ENH
CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

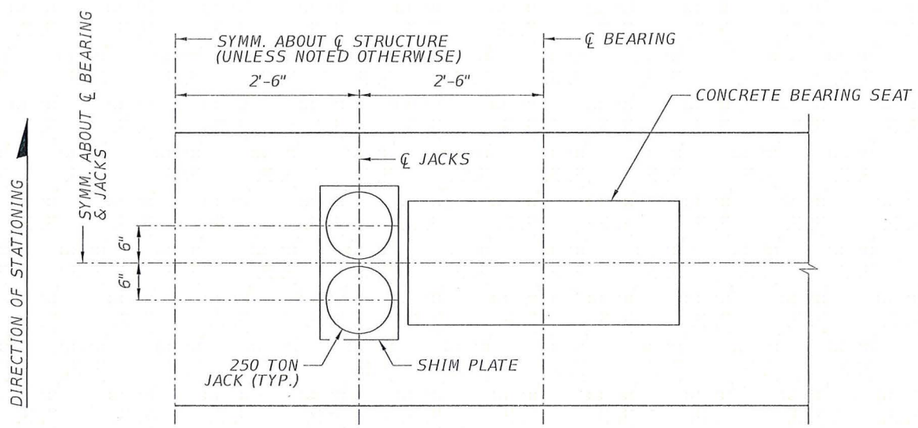
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 OF 7)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

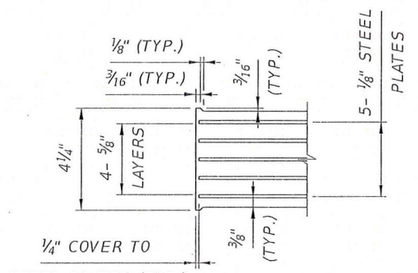
SHEET NO. B-103


Plotted By: lcavanaugh 4/7/2017 4:08:08 PM G:\43468815801\struct\B1RebarList17.DGN

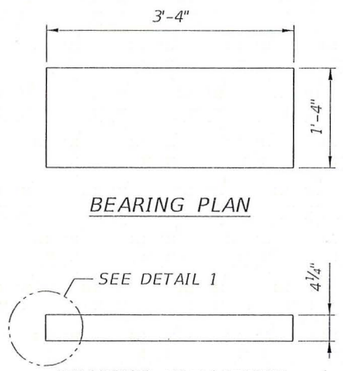



PARTIAL PLAN - BEARING REPLACEMENT

(END BENT 1 SHOWN, END BENT 3 SIMILAR)

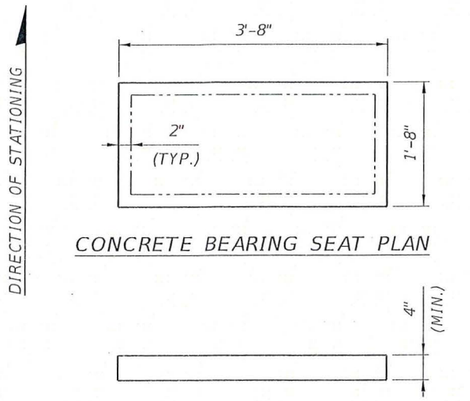



DETAIL 1



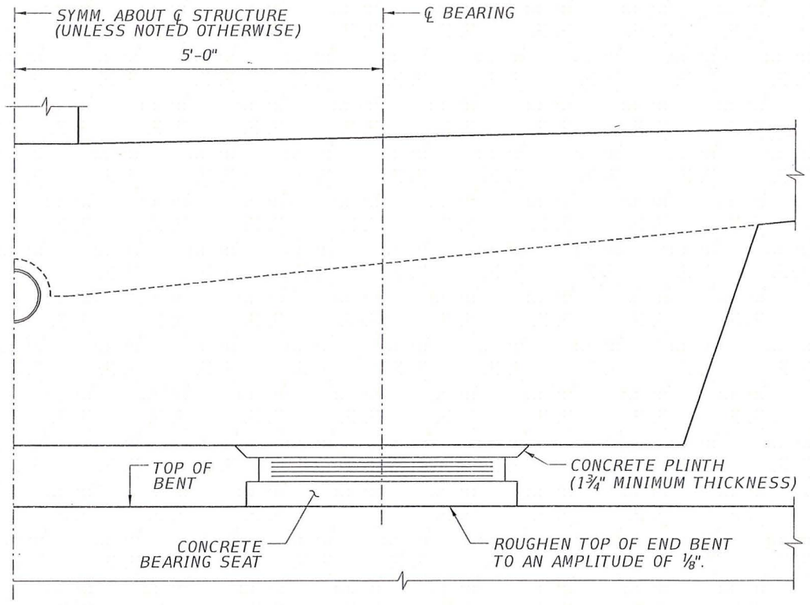

BEARING PLAN

BEARING ELEVATION

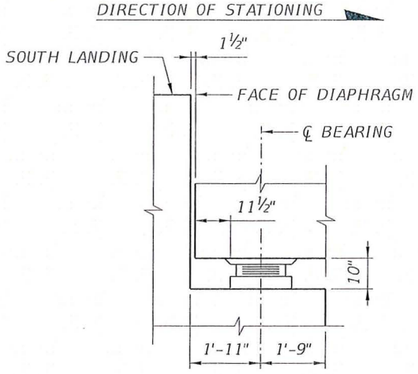



CONCRETE BEARING SEAT PLAN

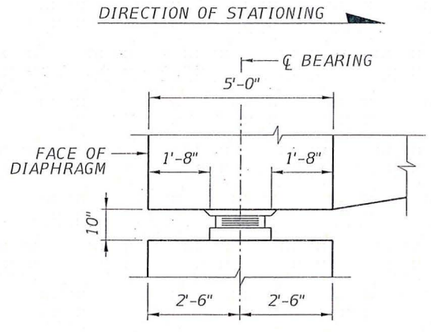
CONCRETE BEARING SEAT ELEVATION




PARTIAL ELEVATION




ELEVATION - END BENT 1




ELEVATION - END BENT 3

W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

4/7/17

NOTES:

1. ELASTOMERIC BEARING DESIGN PER AASHTO LRFD METHOD B.
2. ELASTOMER MATERIAL SHALL BE 50 DUROMETER HARDNESS WITH A SHEAR MODULUS OF 0.110 KSI @ 73° F.
3. STEEL PLATES SHALL CONFORM TO ASTM A1011 GRADE 36, TYPE 1.
4. ELASTOMERIC BEARINGS SHALL BE MOLDED AS A SINGLE UNIT.
5. CONCRETE PLINTH SHALL PROVIDE UNIFORM BEARING OVER ITS ENTIRE CONTACT AREA.
6. FOR CONCRETE BEARING SEAT COMPRESSIVE STRENGTH, SEE GENERAL NOTES.
7. FOR NEOPRENE BEARING TYPE LOCATIONS, SEE GP&E DRAWING.
8. FOR BEARING REINFORCING DETAILS, SEE SOUTH LANDING BENT DIMENSIONS AND REINFORCEMENT AND NORTH LANDING BENT DIMENSIONS AND REINFORCEMENT DRAWINGS.

FOR CONSTRUCTION

BEARING REPLACEMENT NOTES:

1. THE DIFFERENTIAL VERTICAL DISPLACEMENT BETWEEN THE LEFT AND RIGHT BEARING MUST NOT EXCEED ⅛" AT ℄ BEARING.
2. ALL JACKS AT A GIVEN LOCATION ARE TO BE ON A COMMON MANIFOLD TO ENSURE EQUAL PRESSURE AND EVEN LIFTING.
3. BEARINGS SHALL BE REPLACED AT ONLY ONE BENT AT A TIME.
4. ASSUMED DIAMETER IS 10⅞" FOR THE 250 TON JACK (BASED ON ENERPAC CLP-2502).
5. DURING BEARING REPLACEMENT, UNBOLT THE BOTTOM STAY PIPE CONNECTION PRIOR TO JACKING THE SPAN.
6. FOR ADDITIONAL BEARING REPLACEMENT NOTES, SEE GENERAL NOTES.

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| KJM | ENH | ENH | MF |

FLORIDA INTERNATIONAL UNIVERSITY

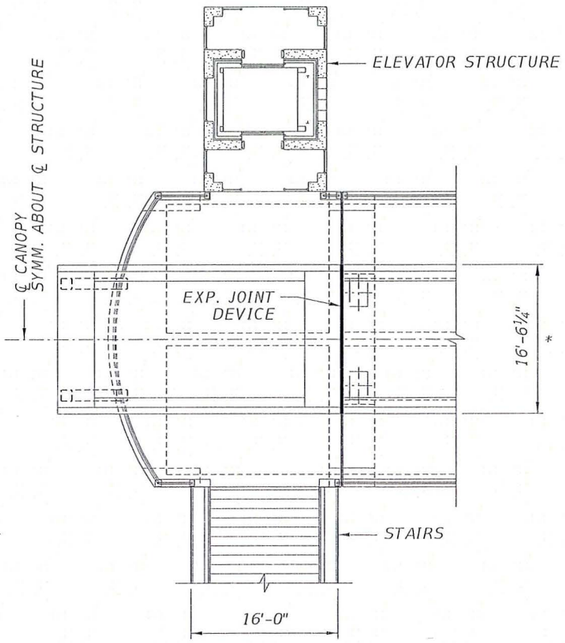
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |
| | | MIAMI-DADE |

SHEET TITLE: BEARING DETAILS

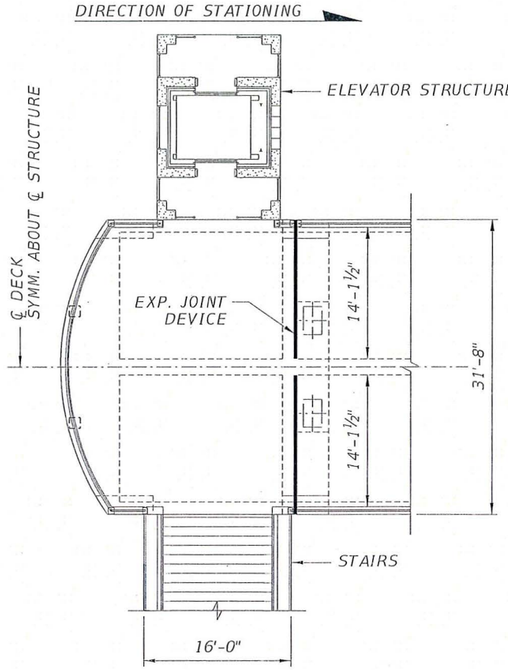
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-104

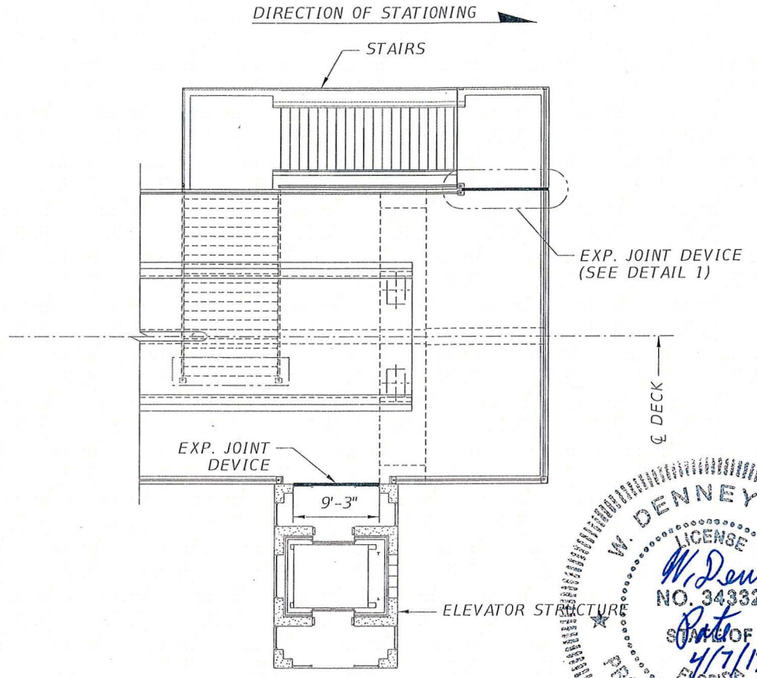
Plotted By: lcavanaugh 4/7/2017 1:16:17 PM G:\43468815801\struct\B1_Bearing_Details.DGN




EXPANSION JOINT - SOUTH LANDING - CANOPY




EXPANSION JOINT - SOUTH LANDING - DECK

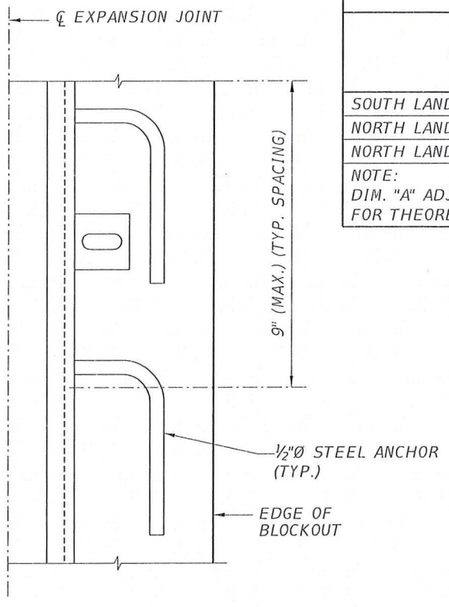



EXPANSION JOINT - NORTH LANDING DECK

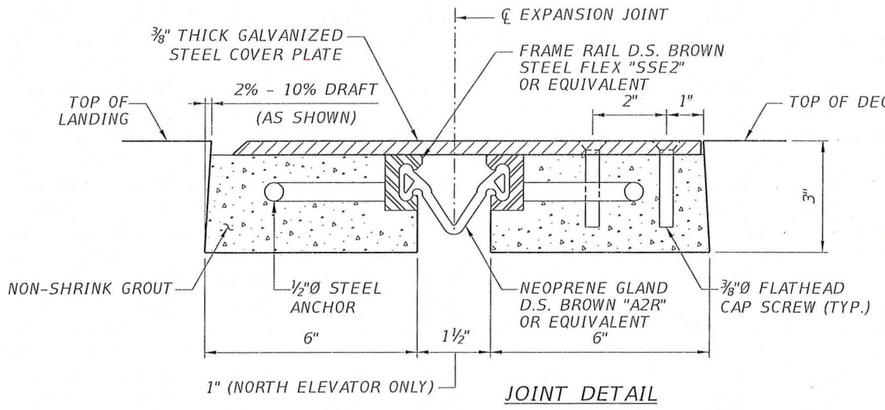
W. DENNEY PATE
LICENSE
NO. 34332
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/7/17

| STRIP SEAL EXPANSION JOINT DATA TABLE INDEX NO. 21100 | | | | | | | | Table Date 01/01/12 |
|---|---|---|---|---|---|---|---|---|
| LOCATION | TOTAL DESIGN MOVENT | | | MOVEMENT ANGLE α | SKEW ANGLE | | DIM. "A" @ 70°F | DIM. "A" ADJUSTMENT PER 10°F |
| | IN DIRECTION OF MOVEMENT | PERPENDICULAR TO ℄ JOINT | PARALLEL TO ℄ JOINT | | LEFT SIDE | RIGHT SIDE | | |
| SOUTH LANDING DECK & CANOPY | 1½" | 1½" | 0" | 0° 00' 00" | 0° | 0° | 1½" | ⅛" |
| NORTH LANDING DECK | 15/16" | 0" | 15/16" | 0° 00' 00" | 0° | 0° | 1½" | 1/16" |
| NORTH LANDING DECK - ELEVATOR | 15/16" | 0" | 15/16" | 0° 00' 00" | 0° | 0° | 1" | 1/16" |

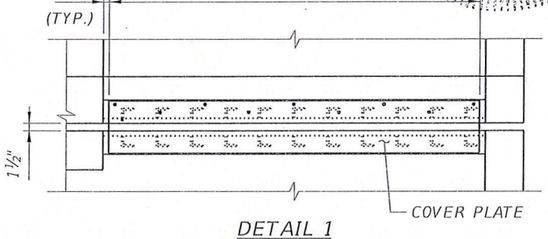
NOTE:
DIM. "A" ADJUSTMENT PER 10°F SHOWN IS MEASURED PERPENDICULAR TO ℄ EXPANSION JOINT.
FOR THEORETICAL DIRECTION OF MOVEMENT, SEE INDEX NO. 21100, SHEET 1.




EXPANSION JOINT PLAN




JOINT DETAIL




DETAIL 1
(9'-3" JOINT SIMILAR)

NOTES:
1. THE EXPANSION JOINT SHALL MEET THE ADA REQUIREMENTS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS TO INSURE ACCURACY OF THE EXPANSION JOINT PRIOR TO FABRICATION.
3. EXPANSION JOINT BLOCKOUT SHALL BE SANDBLASTED PRIOR TO INSTALLATION OF THE NON-SHRINK GROUT.
4. ALL STUDS SHALL BE ASTM 496 STEEL AND SHALL BE SHOP WELDED.
5. INSTALLATION OF THE NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PROCEDURE.
6. ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT STRUCTURAL WELDING CODE AWS D1.5 BRIDGE WELDING CODE (2005).
7. STEEL COVER PLATE IS NOT REQUIRED AT CANOPY EXPANSION JOINT.

* LENGTH INCLUDES WING PORTION AT CANOPY ENDS.

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
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| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| DCB | MF | EDL | MF |

FIU FLORIDA INTERNATIONAL UNIVERSITY

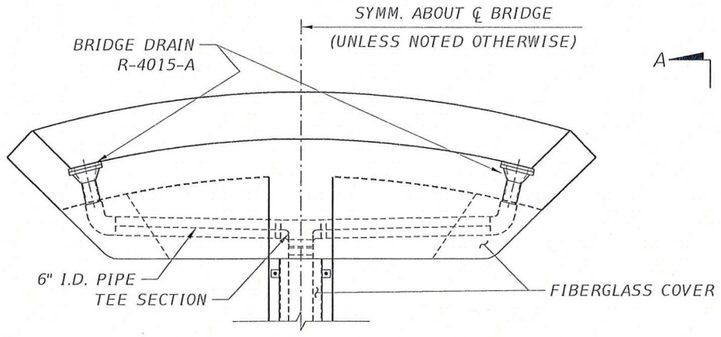
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: EXPANSION JOINT DETAILS

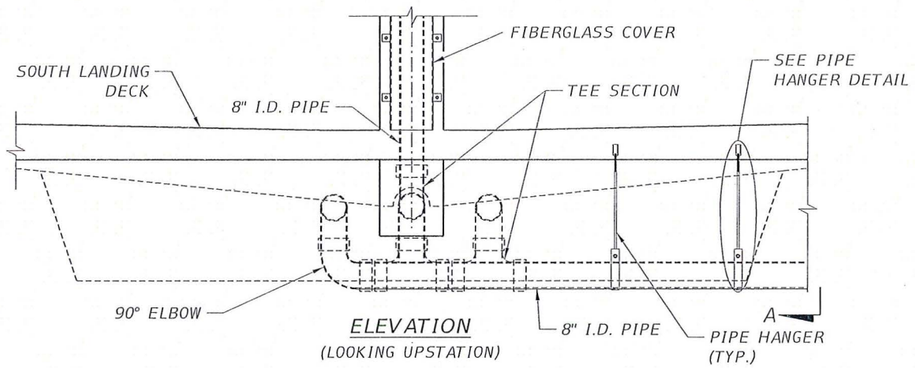
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-105

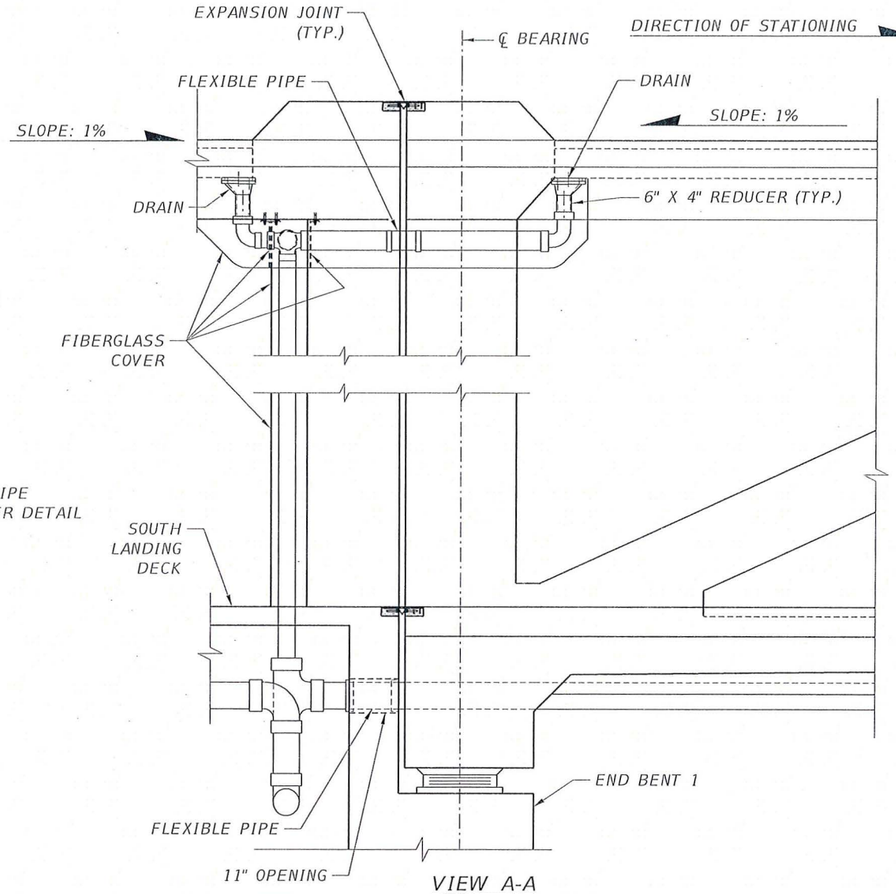

Plotted By: lcavanaugh 4/7/2017 1:16:42 PM G:\43468815801\struct\B1_Expansion Joint Details.DGN



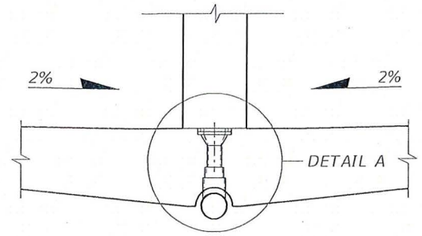

CANOPY END DETAIL



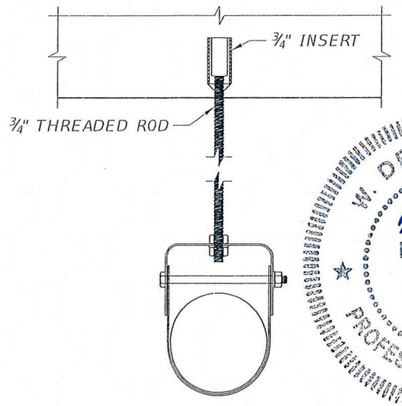

ELEVATION
(LOOKING UPSTATION)



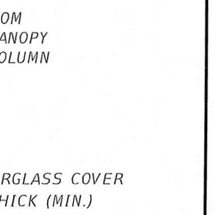

VIEW A-A



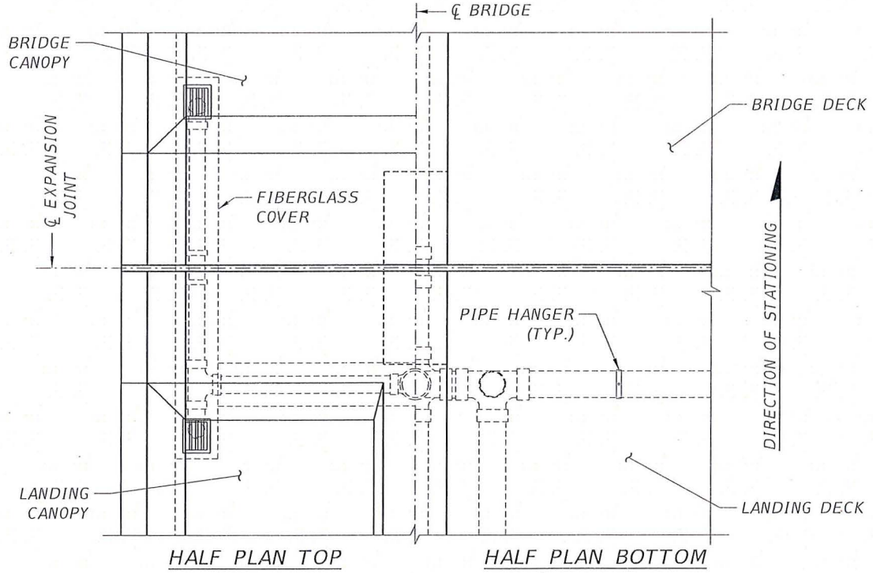

DECK TYPICAL DETAIL



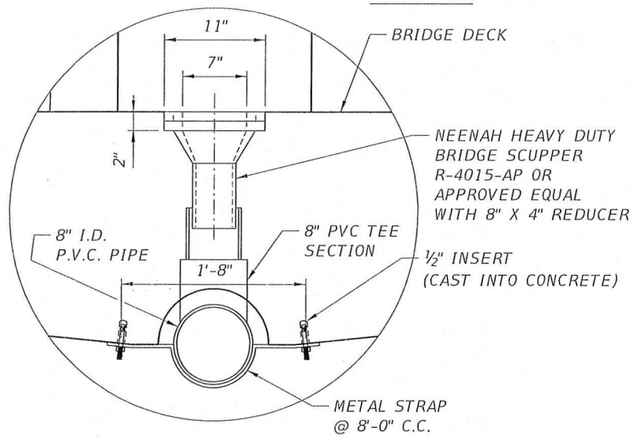

PIPE HANGER DETAIL
(MAX SPACING = 4'-0" C.C.)




TYPICAL CONNECTION DETAIL




HALF PLAN TOP HALF PLAN BOTTOM




DETAIL A

NOTES:

1. THE PIPE GRADE SHALL MATCH THE SUPERSTRUCTURE AND/OR THE LANDING LONGITUDINAL GRADES.
2. ALL PVC PIPES SHALL BE SCHEDULE 80 DWV CONFORMING TO ASTM D 1784. PIPES NEED TO BE PAINTED.
3. ALL PIPES SHALL BE SECURELY SUPPORTED BY THE SUPERSTRUCTURE OR LANDINGS.
4. ALL METALLIC PIPE SUPPORT HARDWARE AND FASTENERS SHALL BE GALVANIZED.
5. FOR LOCATION OF DRAINS, SEE DECK TRANSVERSE REINFORCEMENT AND POST-TENSIONING DRAWINGS FOR THE MAIN SPAN AND BACK SPAN.
6. FLEXIBLE PIPE SHALL ACCOMMODATE A MINIMUM OF 1.5" OF MOVEMENT IN ANY DIRECTION.
7. PIPE HANGERS SHALL BE PLACED WITHIN 2'-0" OF ALL PIPE JOINTS.
8. WHEN PLACING CONCRETE, CARE SHALL BE TAKEN TO PREVENT HONEYCOMBING OR AIR POCKETS AROUND OR BENEATH THE DRAINS.





REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

ENGINEER OF RECORD:
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|---|---|---|---|
| CFR | MF | MF | EDL |

FIU FLORIDA INTERNATIONAL UNIVERSITY

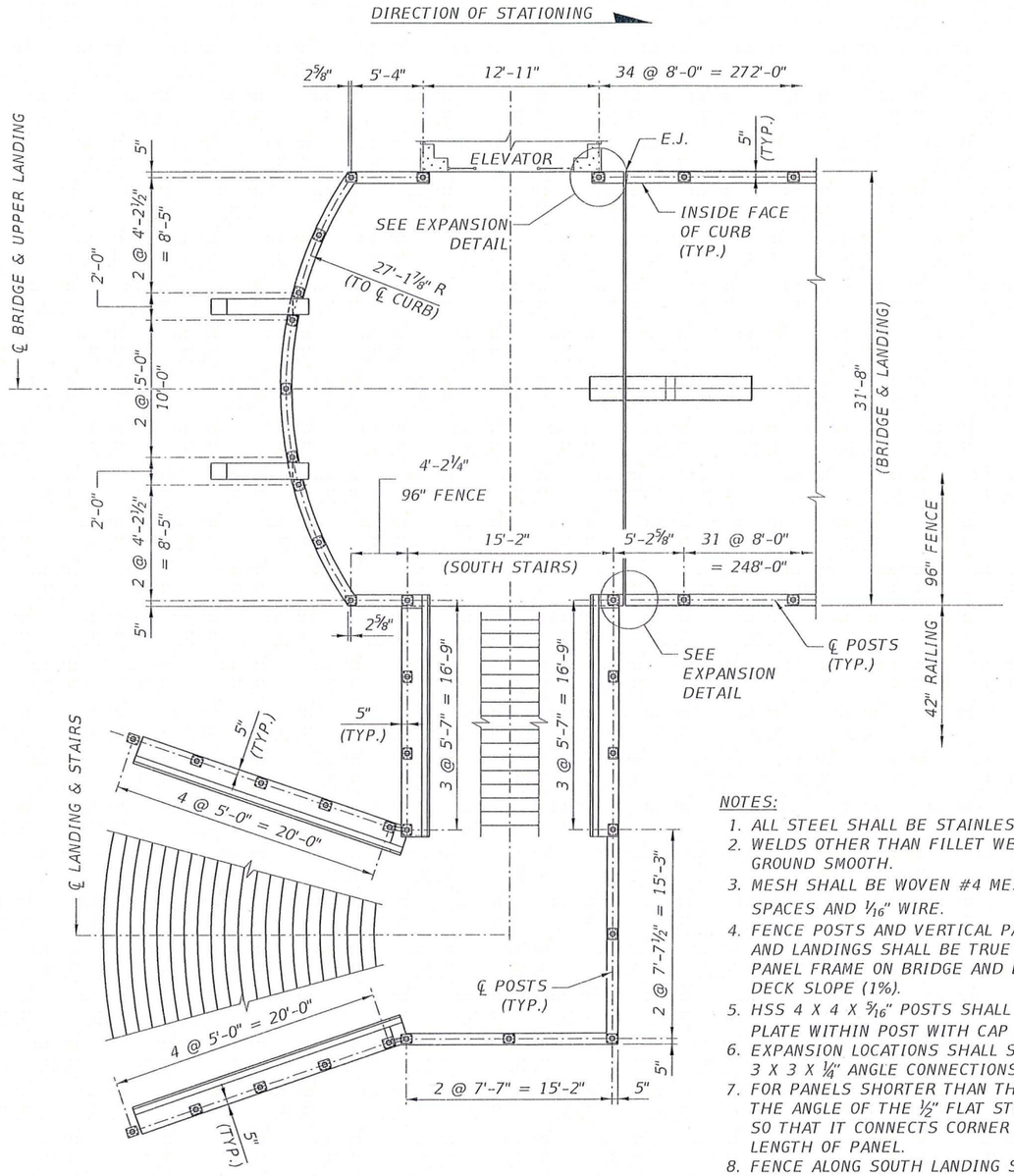
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: DRAINAGE DETAILS

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-106

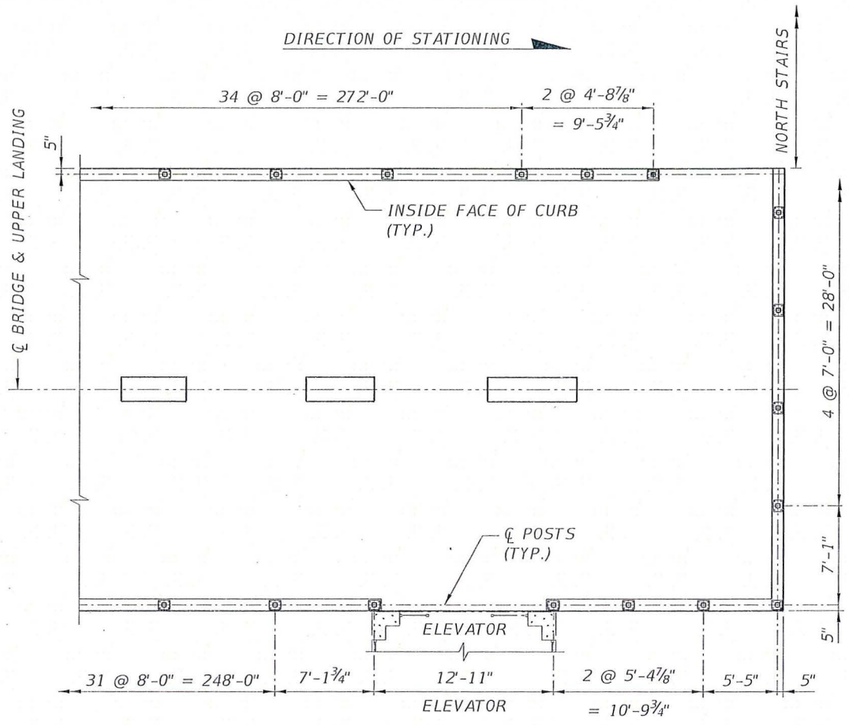
Plotted By: lcavanaugh 4/7/2017 1:16:43 PM G:\43468815801\struct\B1_97_Drainage_Details01.dgn



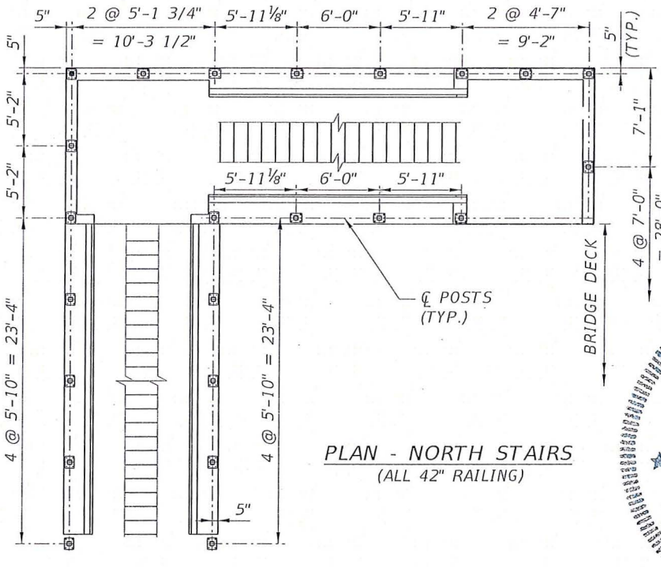

PLAN - SOUTH PLATFORM AND STAIRS

NOTES:

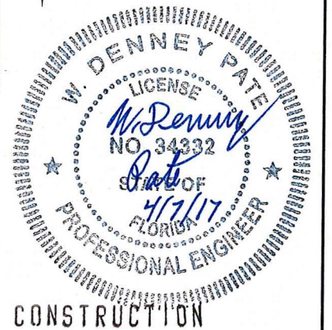
1. ALL STEEL SHALL BE STAINLESS STEEL.
2. WELDS OTHER THAN FILLET WELDS SHALL BE GROUND SMOOTH.
3. MESH SHALL BE WOVEN #4 MESH WITH 3/16" CLEAR SPACES AND 1/16" WIRE.
4. FENCE POSTS AND VERTICAL PANEL FRAMES ON BRIDGE AND LANDINGS SHALL BE TRUE VERTICAL. TRANSVERSE PANEL FRAME ON BRIDGE AND LANDING SHALL BE AT DECK SLOPE (1%).
5. HSS 4 X 4 X 5/16" POSTS SHALL BE CAPPED WITH PLATE WITHIN POST WITH CAP FLUSH AT TOP OF POST.
6. EXPANSION LOCATIONS SHALL SHALL NOT HAVE 3 X 3 X ¼" ANGLE CONNECTIONS ON VERTICAL SIDE.
7. FOR PANELS SHORTER THAN THE TYPICAL 8'-0", THE ANGLE OF THE ½" FLAT STRIP SHALL BE ADJUSTED SO THAT IT CONNECTS CORNER OF PANEL TO MID-LENGTH OF PANEL.
8. FENCE ALONG SOUTH LANDING SHALL FOLLOW CURVE (NOT CHORDED).
9. FOR FENCE AND RAILING DETAILS, SEE MISSILE GUARD FENCE AND RAILING DETAILS (2 OF 2).




PLAN - NORTH PLATFORM
(ALL 96" FENCE)




PLAN - NORTH STAIRS
(ALL 42" RAILING)




FOR CONSTRUCTION

REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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|---|---|---|---|
| SJF | JDS | JDS | MF |

FLORIDA INTERNATIONAL UNIVERSITY

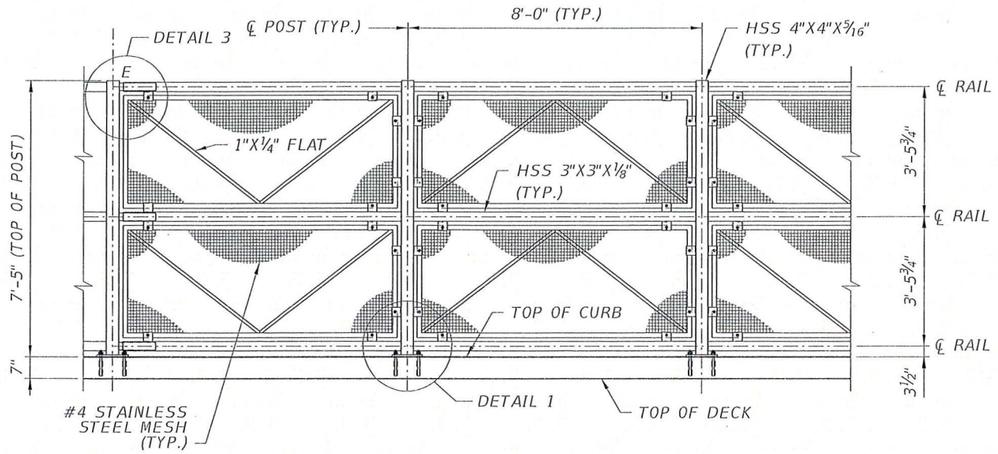
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: MISSILE GUARD FENCE AND RAILING DETAILS (1 OF 2)

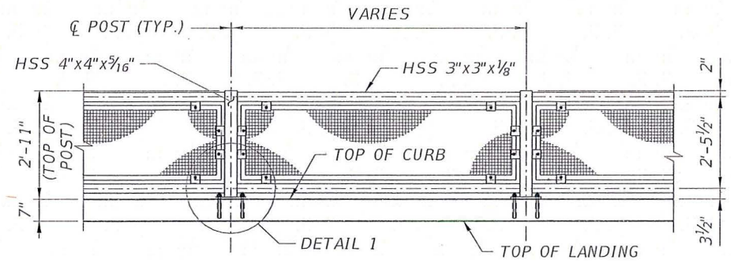
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-107

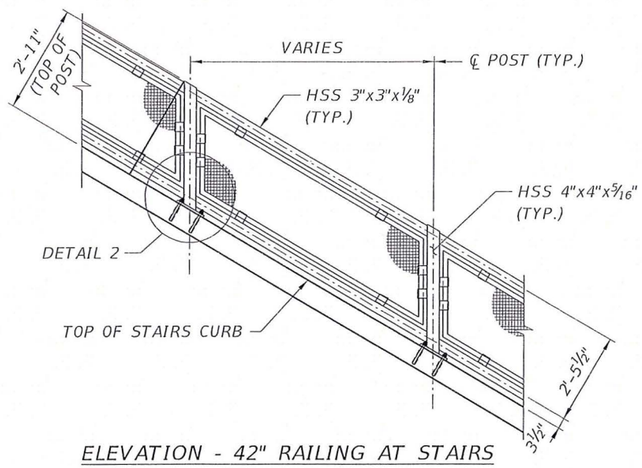
Plotted By: lcavanaugh 4/7/2017 1:16:43 PM G:\43468815801\struct\B1_104_Fence_DetailsI.DGN



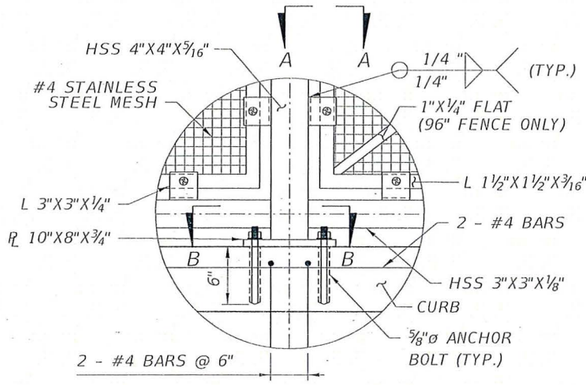

ELEVATION - 96" MISSILE GUARD FENCE



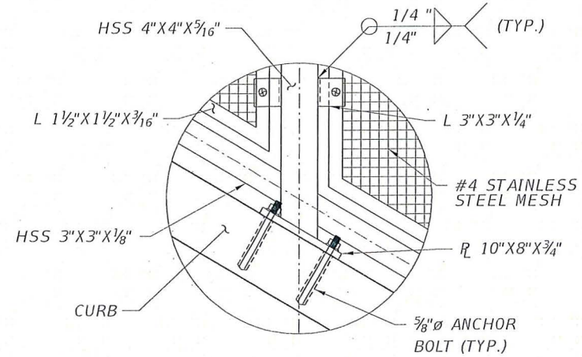

ELEVATION - 42" RAILING AT LANDINGS



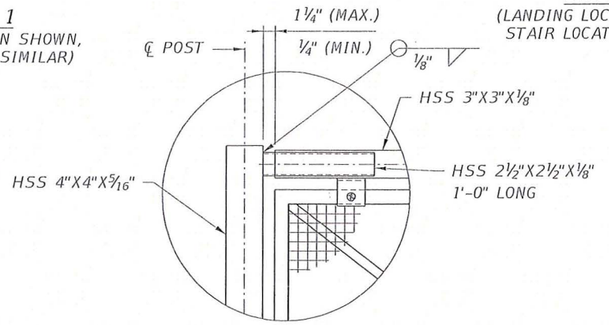

ELEVATION - 42" RAILING AT STAIRS



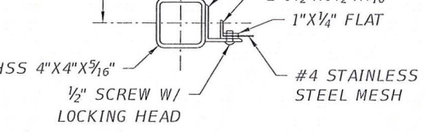

DETAIL 1
(LANDING LOCATION SHOWN, STAIR LOCATION SIMILAR)



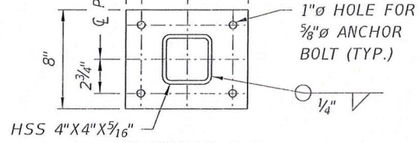

DETAIL 2
(LANDING LOCATION SHOWN, STAIR LOCATION SIMILAR)



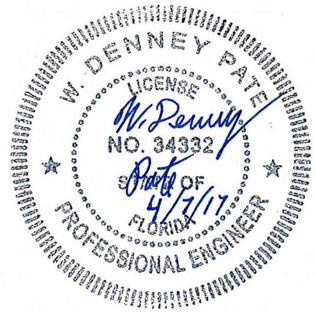

DETAIL 3
EXPANSION DETAIL
(SELECTED LOCATIONS)




SECTION A-A




SECTION B-B




NOTES:

1. FOR POST LOCATIONS AND NOTES, SEE MISSILE GUARD FENCE AND RAILING DETAILS SHEET (1 OF 2).
2. SUBMITTALS: THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR THE ENGINEER'S APPROVAL PRIOR TO FABRICATION.
   A. SHOP DRAWINGS WITH COMPLETE DETAILS INCLUDING RAIL, BRACKET, SPLICES AND EXPANSION JOINT LOCATIONS. INDICATE COMPONENT DETAILS, MATERIALS, FINISHES, CONNECTIONS AND JOINING METHODS, AND THE RELATIONSHIP TO ADJOINING WORK.
   B. SUMMARY OF THE MATERIALS PROPOSED FOR THE RAIL SYSTEM, INCLUDING MILL ANALYSIS WITH CERTIFICATION BY THE PRODUCER THAT THE PARTS MEET THE SPECIFICATIONS CALLED FOR PER SECTION 965-2 OF THE SPECIFICATIONS.
   C. THE MANUFACTURER'S ENGINEERING DESIGN AND DATA FOR THE RAIL SYSTEM AND COMPONENTS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
   D. THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PRODUCT DATA.
3. INSTALL IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS.
4. THE #4 BARS LOCATED IN THE CURB SHOWN IN DETAIL 1 ARE NOT INCLUDED IN THE REBAR QUANTITIES.

FOR CONSTRUCTION

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |


ENGINEER OF RECORD:
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| DRAWN BY: | CHECKED BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| SJF | JDS | JDS | MF |

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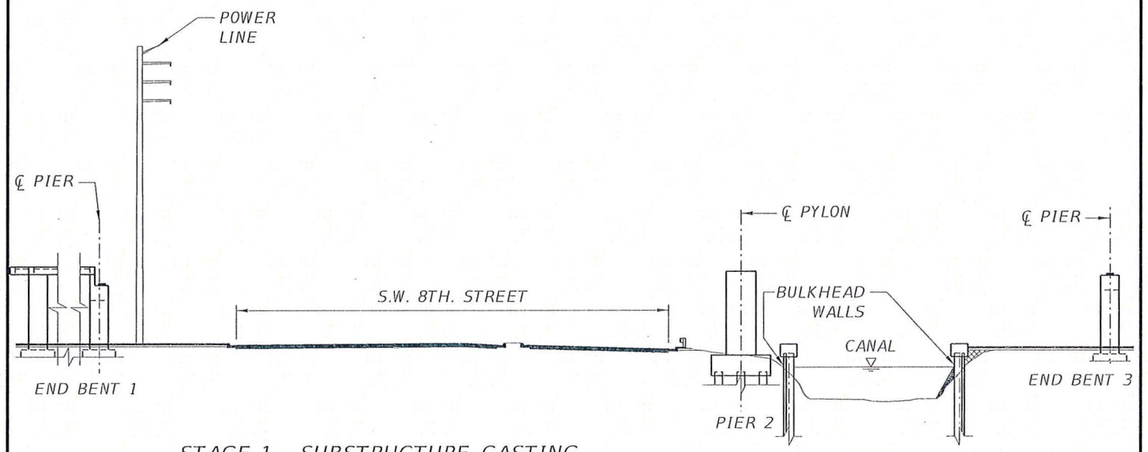
| ROAD NO. | COUNTY | PROJECT ID |
|---|---|---|
| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: MISSILE GUARD FENCE AND RAILING DETAILS (2 OF 2)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

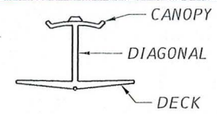
SHEET NO. B-108


Plotted By: lcavanaugh 4/7/2017 1:16:48 PM G:\43468815801\struct\B1_105_Fence_DetailsII.DGN

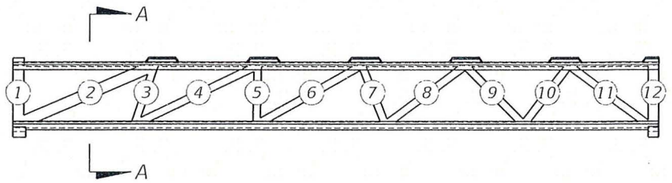



## STAGE 1 - SUBSTRUCTURE CASTING

1. BUILD PIER 1 AND PIER 3 FOOTINGS AT THE SOUTH AND NORTH LANDINGS.
2. BUILD PYLON FOOTING AND BASE OF PYLON.
3. CAST THE END BENTS FOR BOTH LANDINGS.



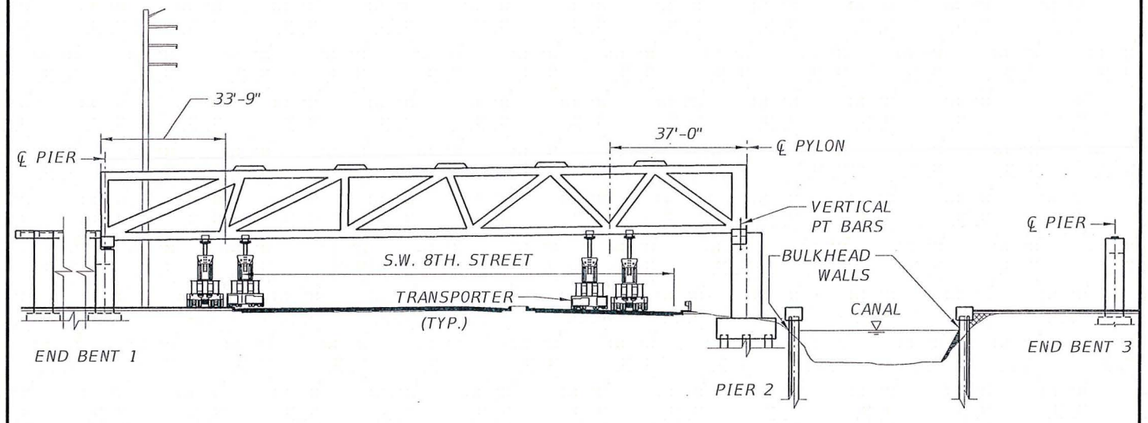

SECTION A-A




MAINSPAN

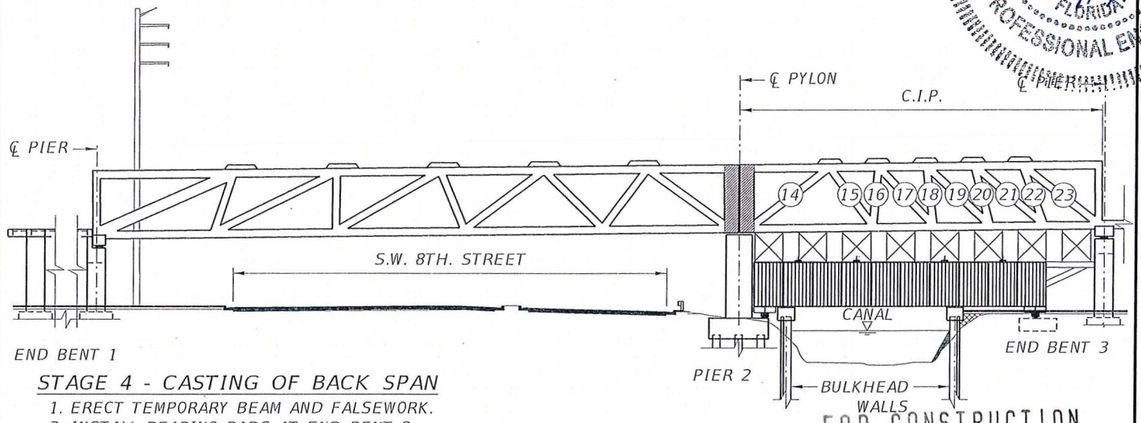
## STAGE 2 - SUPERSTRUCTURE PRE-CASTING

1. CAST MAIN SPAN SUPERSTRUCTURE AS FOLLOWS:
   A) CAST DECK AND DIAPHRAGMS.
   B) CAST DIAGONAL AND VERTICAL MEMBERS. INSTALL PT BARS AS SHOWN IN SHEET B-38.
   C) CAST CANOPY AND TOP ANCHOR BLOCKS.
2. AFTER CONCRETE COMPRESSIVE STRENGTH HAS REACHED 6000 PSI, STRESS POST-TENSIONING OF THE MAIN SPAN IN THE FOLLOWING SEQUENCE:
   I. STRESS DECK LONGITUDINAL TENDONS D1.
   II. STRESS CANOPY LONGITUDINAL TENDONS C2.
   III. STRESS PT BARS IN DIAGONAL MEMBERS 2 AND 11.
   IV. STRESS DECK LONGITUDINAL TENDONS IN THE FOLLOWING SEQUENCE: D2, D3, D4, D5 & D6.
   V. STRESS BOTTOM SLAB TRANSVERSE POST-TENSIONING. ALTERNATED END STRESSING IS REQUIRED FOR THE TRANSVERSE TENDONS.
   VI. STRESS PT BARS IN DIAGONAL MEMBERS 3 AND 10.
   VII. STRESS PT BARS IN DIAGONAL MEMBERS 5 AND 8.
   VIII. STRESS PT BARS IN DIAGONAL MEMBERS 6 AND 7.
   IX. STRESS CANOPY LONGITUDINAL TENDONS C3.
3. TEMPORARY SUPPORTS OF MAIN SPAN SECTION SHALL STAY IN THE MIDDLE OF THE CROSS SECTION DURING SPMT TRANSPORT.




## STAGE 3 - ERECTION OF MAINSPAN

1. INSTALL BEARING PADS AT PIER 1 AND SHIM PLATE AT THE PYLON BASE.
2. MOVE MAIN SPAN FROM THE STAGING AREA TO FINAL POSITION.
3. GROUT SPACE BETWEEN PRECAST SECTION DIAPHRAGM AND PYLON BASE.
4. STRESS PYLON VERTICAL PT BARS.




## STAGE 4 - CASTING OF BACK SPAN

1. ERECT TEMPORARY BEAM AND FALSEWORK.
2. INSTALL BEARING PADS AT END BENT 3.
3. CAST INTERMEDIATE SECTION OF THE PYLON
4. CAST DECK, DIAGONAL MEMBER, VERTICAL MEMBERS, CANOPY AND TOP ANCHOR BLOCKS.
5. AFTER CONCRETE COMPRESSIVE STRENGTH HAS REACHED 6000 PSI, STRESS POST-TENSIONING OF THE BACK SPAN IN THE FOLLOWING SEQUENCE:
   I. STRESS DECK LONGITUDINAL TENDONS D7.
   II. STRESS CANOPY LONGITUDINAL TENDONS C5.
   III. STRESS PT BARS IN DIAGONAL MEMBERS 15 AND 23.
   IV. STRESS PT BARS IN DIAGONAL MEMBERS 16 AND 22.
   V. STRESS PT BARS IN DIAGONAL MEMBERS 17 AND 21.
   VI. STRESS PT BARS IN DIAGONAL MEMBERS 18 AND 20.
   VII. STRESS PT BARS IN DIAGONAL MEMBER 19.
   VIII. STRESS DECK LONGITUDINAL TENDONS D8 & D9.
   IX. STRESS BOTTOM SLAB TRANSVERSE POST-TENSIONING. ALTERNATED END STRESSING IS REQUIRED FOR THE TRANSVERSE TENDONS.



REVISIONS

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
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| | | | | | |

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

| | |
|---|---|
| DRAWN BY: | LTC |
| CHECKED BY: | MF |
| DESIGNED BY: | MF |
| CHECKED BY: | WDP |

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| | MIAMI-DADE | 434688-1-58-01 |

SHEET TITLE: CONSTRUCTION SEQUENCE (1 OF 2)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-109

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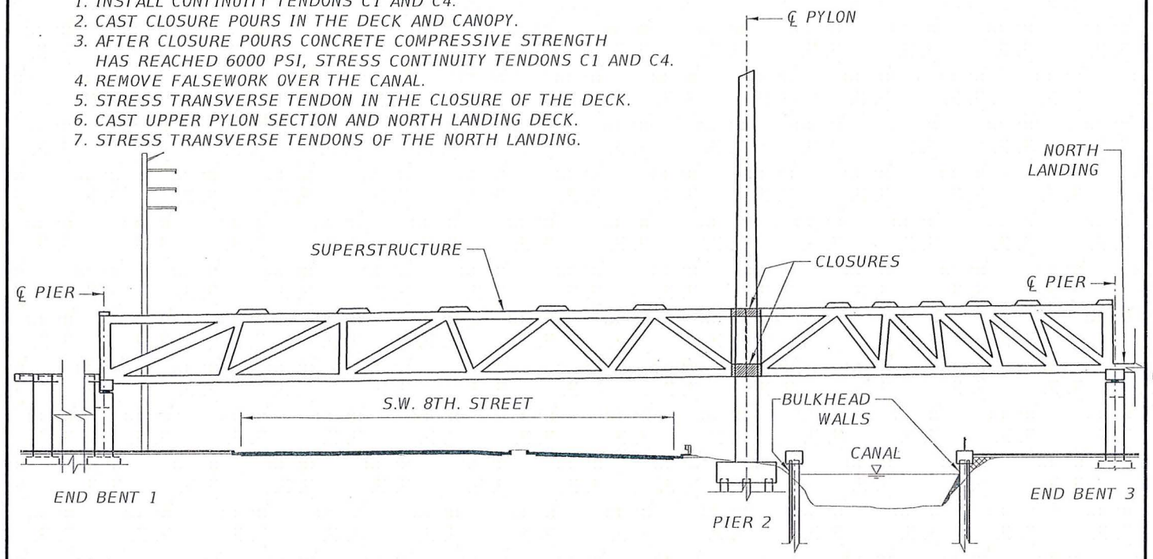
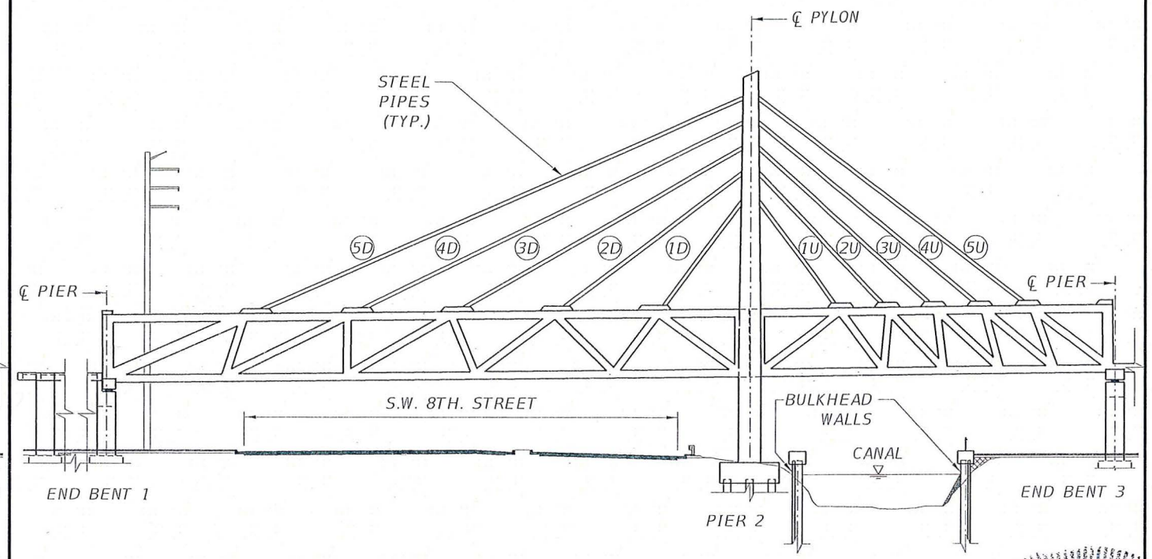
## STAGE 5 - CONTINUITY TENDONS AND CASTING OF UPPER PYLON

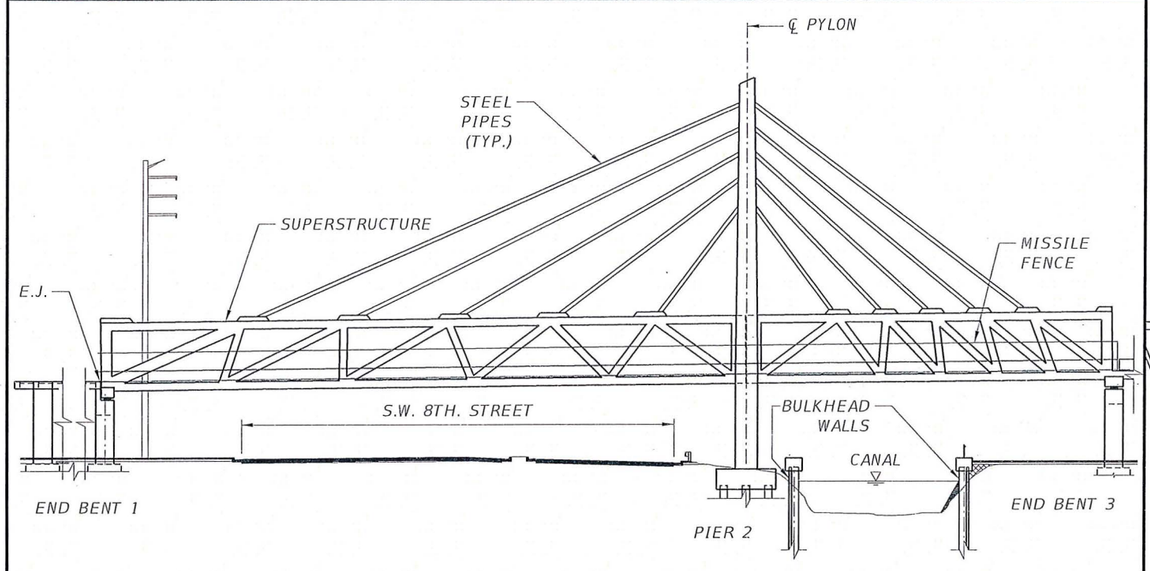
1. INSTALL CONTINUITY TENDONS C1 AND C4.
2. CAST CLOSURE POURS IN THE DECK AND CANOPY.
3. AFTER CLOSURE POURS CONCRETE COMPRESSIVE STRENGTH HAS REACHED 6000 PSI, STRESS CONTINUITY TENDONS C1 AND C4.
4. REMOVE FALSEWORK OVER THE CANAL.
5. STRESS TRANSVERSE TENDON IN THE CLOSURE OF THE DECK.
6. CAST UPPER PYLON SECTION AND NORTH LANDING DECK.
7. STRESS TRANSVERSE TENDONS OF THE NORTH LANDING.



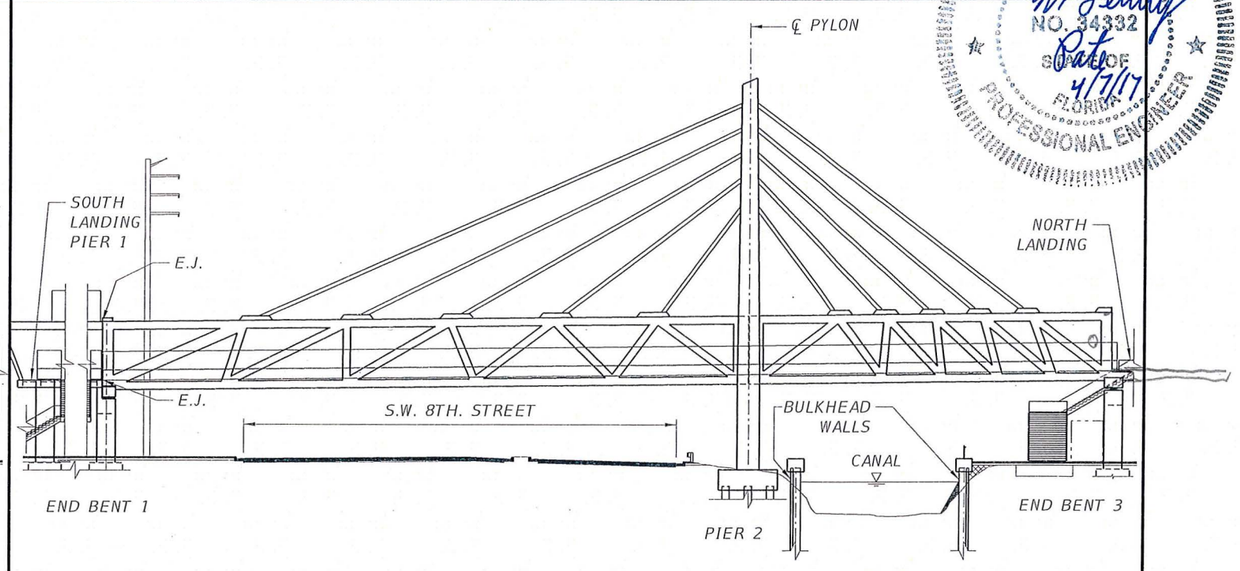

## STAGE 6 - INSTALL PIPE SUPPORT SYSTEM

1. CONNECT STEEL PIPES TO THE SUPERSTRUCTURE AND UPPER PYLON. CONNECT PIPES ADJACENT TO THE PYLON FIRST.
2. CAST FENCE CONCRETE CURBS ON BOTH SPANS.




## STAGE 7 - INSTALLATION OF BRIDGE COMPONENTS

1. INSTALL MISSILE FENCE.
2. INSTALL EXPANSION JOINTS AT END BENT 1 AND NORTH LANDING.
3. INSTALL BRIDGE LIGHTING AND DRAINAGE SYSTEM.




## STAGE 8 - INSTALLATION OF LANDINGS

1. BUILD ELEVATOR STRUCTURES AND INSTALL ELEVATOR SYSTEMS AT BOTH LANDINGS.
2. CONSTRUCT STAIRWAYS.
3. INSTALL EXPANSION JOINT AT SOUTH LANDING CANOPY.

W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/7/17

FOR CONSTRUCTION

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